

62

Or

Orchids

...FOR YOU!

FENNELL ORCHID COMPANY
26715 S. W. 157th Avenue
HOMESTEAD, FLORIDA 33030

V17, #1 Spring - 1963

V17, #2 Fall - 1963

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Grow Your Own Orchids



Sunny Window Collection

A REWARDING HOBBY

for

Pleasure

Beauty

Relaxation

EASY HOW-TO-DO-IT
INSTRUCTIONS INSIDE

FENNELL ORCHID COMPANY • ORCHID JUNGLE • HOMESTEAD, FLORIDA



1888 - *DIAMOND* *JUBILEE* - 1963

75 Years of Orchids

Starting with a few Mexican species orchids in a converted rose-pit in Cynthia, Kentucky, L. A. Fennell launched The Fennell family into the Orchid business which today - 75 years and 3 generations later - is probably the oldest in the country. The collection has grown from its modest beginnings to become one of the best known and most outstanding collections of both species and hybrids in the world and our Orchid Jungle is without doubt the World's Largest Outdoor Orchid Garden.

The Fennell Orchid Company was originally a retail florist business which gradually branched out into a wholesale cut-flower operation in Cynthia, and later in Lexington, Kentucky. Flowers were shipped all over the Midwest by train, and for many years, all of the orchids seen in this whole area were produced and distributed by our founder, L.A. Fennell.

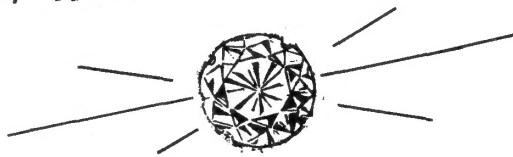
In 1923, the Fennells moved, orchids and all, to South Florida and settled in our present location. The Orchid Jungle was started as a private garden in a natural Florida jungle or "hammock", as they're called locally, and visitors just could not be kept out, so the garden was eventually opened as a tourist attraction.

Through the years, the original garden has been added to and expanded constantly. Now the jungle garden alone covers almost 10 acres and some 10,000 plants are established on the trees "growing wild" just as in their natural state. Following in L.A. Fennell's foot steps, we have always strived to keep our Jungle as natural as possible and today its fame as one of Florida's most naturalistic and unspoiled showplaces accounts in large part for its continuing and growing popularity.

Thousands of visitors tour
(continued page 2, Col.3)



Our founder, L.A. Fennell, examining a flask of orchid seedlings in the early days of the asymbiotic method of raising orchid seed. This method was pioneered by him and his son, T.A. Fennell, Sr., who were the first in Florida to raise orchids from seed by this method and among the first to do so successfully in commercial quantities anywhere in the world. Photo taken in the late 1920's or early 1930's.



THE FENNEL FAMILY TODAY

In the photo below, T.A. Fennell, Sr. is showing a plant of *Coelogyne Corrugata* to Dorothy B. Fennell and Tom Fennell, Jr. This plant was one of his father's favorites and is a piece of the same one in the lower right hand corner of the picture with L.A. Fennell, above, taken 30 or 40 years ago.



Orchids & Diamonds

We have lots of plans to make this our "Orchid-Diamond Jubilee" year an interesting and memorable one.

First, our "Orchid News" gets a new "hard cover"---a gorgeous binder in full color of the extendible type with openable fastenings so that each successive issue can be bound in with previous ones in an attractive book you'll want to keep-forever, we hope!

This full-color, extendible binder for The Orchid News will be sent out to all recent and future customers as a free gift-just a small token of our appreciation for your business.

For those of you who have not bought yet or recently, we will be glad to sell you one of these attractive and practical binders for \$1.00

Or we also offer them laminated with a heavy, tough plastic for extra long life and protection at a price of only \$2.98

As in '62, all issues of The Orchid News from now on will be standard notebook size and with standard 3 holes for inclusion in a notebook or in our new & gorgeous hard-cover binder.

New for '63. Each issue of The Orchid News will feature a separate 2 or 4 page "Orchid Growers Handbook" section on some particular phase of orchid culture with specific cultural notes, how-to-do it instructions & illustrated appropriately with drawings or photographs of the pertinent subject matter. See p.H-1 to H-3 in this issue on "Dividing & Repotting".

This is planned for you. Please let us know how you like it! Any suggestions for improving this new service will be appreciated. We will welcome suggestions on subject matter for future handbook articles, too!



ORCHIDS 'N ATOMS



What do your orchids mean to you? Henry Adams, the famous American Historian (1838-1918) once wrote:

"In the degree that the world is upset, upset it more; this is the only way we shall get things straight. No work of art or thought which is not in some way radical and subversive establishes itself in our interest. We are not going to be allowed to rest for some time to come."

These words might well have been written today, about life in our atomic age. Surely all of us are actually suffering from this "upset" either consciously or subconsciously these days and no doubt this accounts in great part for our hectic life in these troubled times. Unrest has become a way of life for the whole world. Old & comfortable traditions fall daily and perhaps a Henry Adams says the way to "get things straight" is to "upset it more" but all of these doings cannot fail to add to our personal unrest in our everyday lives & philosophies as well as on the worldwide economic & political scenes.

Perhaps this is good for us, too & it can be hoped we will come out of this age of unrest with new horizons, new traditions & a new & more meaningful way of life, but in the meantime, I, for one, miss many of the quiet & gracious ways of living which too often get forgotten or passed by in the rush of modern life.

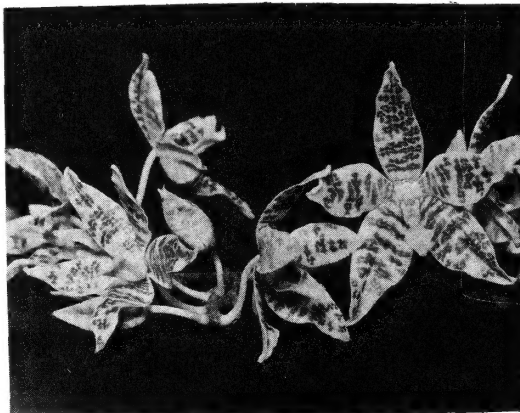
My orchids mean a lot to me for the contrast they supply with this rush and the outside pressures of life beyond my control. My orchid world is a quiet & gracious one, a world of beauty, pleasure & relaxation - a world of personal achievement in the soul-satisfying fields of artistry & of growing things.

Jacques Barzun in Classic, Romantic and Modern says: "I am unable to find any warrant for the belief that any period has offered men the kind of peace and certainty that modern age is clamoring for. The middle Ages was a period of fearful maladministration. The Greeks led the most chaotic, passionate and disorderly life conceivable. They preached serenity, but calm composure and discipline were with them, as they are with us, an individual achievement."

(Atlantic-Little, Brown)

(continued next column)

PHAL. LUDDMANNIANA 'HIEROGLIFICA' AM AOS



PHALAEOPSIS LUDDMANNIANA

'Hieroglifica'. In some ways this is the best of all the variations. Flowers are considerably larger & produced more freely, in larger quantities, on longer and stronger growing plants than the other forms; sepals and petals are more sharply pointed & the flower is more distinctly star-shaped & usually somewhat longer than wide. Flowers are creamy-white, sometimes flushed partially or over-all with bright, clean tints of green, chartreuse or butter yellow & quite heavily patterned over-all with thin cinnamon red transverse bars and angularly patterned lines that look like hieroglyphics. Hence the name.

My orchids give me a restful, private world of beauty in which to pause briefly, but often, to recharge my batteries for the tumult & unrest outside - a private world that resists upset, indeed refutes it with timeless beauty & serves to remind me that nature & beauty endure - that there is a basic system underlying all; that, though changes come, progress is made & that truth, right and beauty emerge ever more prominently.

What do your orchids mean to you?



* * * * *

Some interesting and rare orchids, recently in bloom at the Orchid Jungle are:

Angraecum praestens, Brassavola Digbyana, Blc. Ojai, Cattleya intermedia aquinii, Diaphanthe pellucida CBM AOS, Dendrobium kongo, Selenipedium longifolium, Renanthera Matutina and Vanda Sanderiana.

* * * * *

We have had a few of these for several years now & have become very fond of them, as they are willing growers and bloom so freely with large flowers, sometimes almost 3" in diameter. Last year & again this year we succeeded in importing these in considerable quantity and last year's shipment turned out to be of a particularly fine strain, with extra large and well marked flowers. One of these - our sub variety 'Orchid Jungle' received an 'Award of Merit' from the American Orchid Society. As far as we know, this is the only variety of Luddmanniana so honored. See picture above.

This year's shipment supposedly was collected in the same area and, though none have bloomed yet, the plants show the same vigorous growth habit. They are all ready well established, have made several new leaves, and are now coming into bud. They are a good buy even if they're the common type of the species. In 4 & 5" pots in osmunda.

--in bud \$9.98 - 12.98 - 16.98

--Small off-shoot plantlets \$5.00 - larger \$7.50

(Continued from page 1)

the gardens yearly and many are inspired to take up the fascinating hobby of orchid growing by this gorgeous year-around display.

The self-guided tour through the Jungle gives a liberal education in all phases of orchidology, from their methods of growth in their natural habitat to the easiest and surest methods of growing them in one's own home. Separate displays show various stages in the orchid life cycle from microscopic seed to "how-to-do-it" set-ups on "Dividing and Repotting".

Today, 75 years after our start in the rose-pit in Kentucky, The Fennell Orchid Company is still growing and we are constantly striving to do an even bigger & better job of spreading the word about this Wonderful World of Orchids, which has so much beauty and pleasure to give to all of us.

We here at the Orchid Jungle are proud of our Orchid heritage. We're especially proud of this, our Diamond Jubilee, with orchids-DIAMONDS AND ORCHIDS go well together it seems to us---and we'd like to invite all our orchid friends to stop in & see us whenever you may be down this way! Please stop by for a visit & help us celebrate our

ORCHID-DIAMOND JUBILEE

FENNEL'S ORCHID GROWER'S HANDBOOK

You CAN GROW ORCHIDS - JUST FOLLOW THESE EASY INSTRUCTIONS -

ALL YOU NEED IS A SUNNY WINDOW --- WE SUPPLY THE REST !

Orchids are not the delicate plants most people think they are! Actually they are very well suited for growing as house plants, because they need just about the same growing conditions as you do, and they will thrive in any home that is healthy for you. These are general instructions that apply to most orchids. For more detail instructions, refer to the specific information on each genus further on in the catalog or our fine new book - "Orchids for Home & Garden."

HEAT

Your regular home temperatures are fine for most orchids. From 60° to 80°F. is best, but occasional temperatures above 100° or drops even to the 30's will not harm them as long as no frost forms on the leaves.

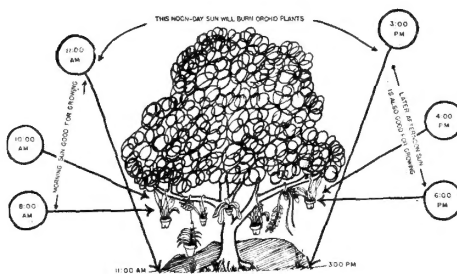
SUN

Sunlight is very important for proper plant growth. If you live in a northern climate, the best location for growing your orchids is in your sunniest window where they will get as much sun as possible during the darker winter months.



Three or four hours of sun a day will do, and you can supplement with artificial light if necessary, but natural light in a sunny south window, a bay-window, sun porch or bright room is usually enough.

In summer months — or year round in frost-free climates — light shade during the middle of the day is advisable, but full early morning sun and full late afternoon sun is ideal. If you want to, you can hang your plants outside under a tree during the warm months of the year when the temperature is above 50°F.



Be sure you pick a tree or spot where the plants will get, at least, 50% sun light. The more sun you give your plants without burning them, the stronger the growth and the heavier the flowering.

If you prefer to keep your plants indoors during the summer months you may do so. Any screened window or screened porch will be fine. Give them the sunniest spot possible and the screening will provide all the shade they need.

POTTING MATERIAL

Orchids can be grown in a wide variety of potting materials and several different ones are now in common use. OSMUNDA FIBRE is the best known material. It is a rough, black fibre, the roots of a swamp fern. It provides good drainage and ventilation for the roots, and lasts two to three years before need of repotting, and it must be potted very tightly for best growth. SHREDDED BARK from fir and pine trees is fast becoming more popular due to the greater speed of potting: simply pot as with soil, tamping it down firmly with the fingers. Should be repotted with fresh bark every 2-3 years.

WATER

Orchids must be watered somewhat differently than most plants. How much and how often depends on several things: 1. How dry your conditions are; 2. The size of the pot; 3. What potting material they are potted in.

No one definite rule can be made to cover all conditions. Some homes and greenhouses

are drier than others. Small pots dry out more quickly than larger ones. Therefore, you must watch your plants individually, and don't try to water them all at the same time or on the same schedule. WATER ONLY WHEN EACH PLANT NEEDS IT.

PLANTS IN OSMUNDA should dry out bone dry between waterings. When you do water, water heavily, then don't water again until really dry. If the side of pot feels clammy and cool, then it is still damp inside. If it feels dusty-dry and air temperature to the touch, then it is ready to water.

PLANTS IN BARK need slightly more water than those in osmunda. When first potted, the bark drains and dries very quickly — will need water often. As the bark packs down it will hold water longer, and after a couple of months watering, will be only slightly more often than in osmunda. Water thoroughly when you do water, but don't water again until side of pot feels dusty-dry. If it is still clammy and cool to the touch, it is still damp inside and does not need watering yet. If you must err in your watering, err on the dry side as most orchids can stand too little water better than too much.

FOOD

All living things require food. Orchid plants cannot live indefinitely on air and water alone, so for strong growth and lovely flowers, be sure to feed your plants regularly with Fenorco Plant Food. This food was developed by us for bloom and strong growth, and it can be used on all your house plants, such as Philodendron, African Violets, Begonias, Gardenias, Anthuriums, Amaryllis, and Christmas cactus. In fact, any plant you grow.

IN OSMUNDA—to feed. Take your plants to the sink or laundry tub. Mix one teaspoon of Fenorco Plant Food to a gallon of tepid water. Pour this mixture over the plant. The water will run directly through the pot and it will take approximately 1/2 gallon of water, to give a plant in a 5" pot a heavy watering. Always water in the morning. To wash out any accumulation of plant food that might occur, water once monthly with clear water at the regular watering time.

IN BARK—feed with Fenorco as in osmunda on every other watering. On the alternate waterings, feed with Ammonium Nitrate (1 teaspoon to 1 gallon of water) to supply the extra nitrogen that is necessary in all bark potting. Bark supplies almost no food at all and for best growth and flower production you must feed regularly and heavily, alternately with Fenorco and Ammonium Nitrate.

HUMIDITY

No expensive equipment is necessary or advisable to provide humidity for your orchid plants. Any pan large enough to hold your plants is all right. Fill the pan with tiny stones, gravel, shells or brightly colored aquarium stones. Next fill the pan about half full of water. Place the pan in a sunny window and arrange your pots on top of the gravel or stones. Be sure the pots sit ABOVE the level of the water—never IN the water. The picture on the front page of this folder shows a group of plants set up on pyrex cake pans filled with gravel as described above. This is the safest and best way to supply humidity to orchids growing in your home.



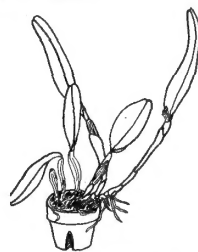
AIR

Orchid plants like the same atmosphere you do. It makes no difference what kind of heating system you have—gas, oil, coal or radiant heat. If the air in your house is good for you to breathe, your orchid plants will like it too. If you are growing your orchids in a small, and closed-in area, such as a closed bay window, small greenhouse or small sun porch or plant room, you will find that the conditions become quite stagnant or stuffy. A small fan (or better yet) two small fans on opposite sides of the plant area, and blowing

parallel to each other in opposite directions to stir the air and cause a definite air circulation will prove of benefit to the plants and produce better growth, prettier and longer lasting flowers.

REPOT

Repotting is necessary when the plant outgrows the pot by growing out over the edge or when the fiber or bark becomes old and soggy and no longer drains properly. Usually the plant outgrows the pot before the potting material breaks down however, and when the bulbs and stems are over the edge of the pot it is time to repot.



(Roots often grow outside the pot. These are simply aerial roots and do not indicate a need of repotting. Wait until the plant itself grows over the edge.)

The best time to repot is just as new root growth starts, usually in spring or early summer. Plants potted at this stage root into the fresh material immediately and suffer the least possible shock or set back.

WHILE IN BLOOM

When it blooms you can move the plant anywhere around the house for the most effective display of the lovely blooms but don't take it out of the sunny window until the flowers are fully open. It is best to keep the plant in its regular growing place until the third day after the buds start to open because the buds and flowers need sunlight to open fully, and they will not gain their full color, nor will they last well unless they have the sun while opening.

Also, continue to water and feed the plant on your regular schedule the whole time it is in bloom. The better you care for your plant, the longer the blooms will last!



When your orchid has finished blooming, cut off the flower stem and the sheath around it just above the place where it grows out of the leaf and bulb, and return the plant to its normal growing place. Soon it will start a new growth which will bloom next time and, if you take good care of it, you will probably have even more flowers on the next blooming.

THEN

RELAX—
AND ENJOY THEM!

This is the most important thing of all to learn about your orchids. Growing orchids is fun! Don't worry about them—don't let it be a chore! Just relax and enjoy them. They will actually thrive better on neglect than they will with too much care.

The instructions here are all you need to know to get started and do well with a few orchids. They apply to most of the easily obtainable and commonly grown types but once you get started, once the "Orchid bug" has bitten you, you will want more and different kinds of orchids and you'll want to know more about them.

The information sheets, folders, magazines and books listed below under Information will prove of great help and interest to you.

If you should need further help with your orchid problems, just write to us—we're always glad to be of service whenever possible.

START WITH

We recommend that you start with plants that are full grown and ready to bloom soon.

The Fennell Orchid Co. has specialized in helping people get started in this fascinating hobby of growing orchids at home for many years. The methods outlined above and our recommendations here are based on experience with thousands of our customers all over the world. We have found that your first plant should be a strong plant, well established in its pot—one that will bloom soon and give you immediate satisfaction.

Don't start out with small, weak plants, seedlings or back bulbs, that will take several years to bloom and that are liable to give you more trouble while you are learning. Start right and have success from the first.

PLANTS

The plants we send you are individually and carefully selected just for you from our World Famous collection here at the Orchid Jungle.

We have over 200,000 plants in this collection—the largest variety of any orchid nursery in the world today. Our collection is the result of 72 years of orchid collecting, hybridizing and propagating. Since 1888, three generations of the Fennell family have devoted their time and interest to this truly fabulous selection of rare and lovely plants to you.

Through constant research and our never ending quest for new orchids and new methods to handle them, the Fennell Orchid Company is constantly striving to bring you always the newest and best in orchids.

ADVICE

We conduct a free information and advice service for all our customers. We are always glad to answer any questions you may have about orchids and we ask you to feel free to call on us, or write to us at any time whenever we can be of service to you.

WE WANT YOU TO SUCCEED and you will find us always willing to give you the benefit of our years of experience with this fascinating hobby and business of orchid growing.

INFORMATION

As part of our service to you, we also offer the following information sheets, folders and books to help you learn about orchids.

Information Sheets: 1. Potting and dividing; 2. Corsage—step by step; 3. Orchid Seed Planting Technique; 4. Planting Orchids on Trees; 5. Plastic Greenhouses; 6. Growing Orchids In (artificial light), Basement; 7. Growing Orchids in Bark.

25c each, postpaid

Fennell's Orchid News: A 4-color magazine chock full of orchid articles and information, including a complete listing of plants and supplies currently available from us. \$1 postpaid

Orchids for Home and Garden by T. A. Fennell, Jr. New revised editions—a complete beginner's handbook on orchid culture. 160 pages, 16 pages illustrated, color and black and white. \$3.95 postpaid

GUARANTEE

We guarantee that:

1. Our plants are strong and healthy.
2. They will arrive safely to you regardless of the weather or time of the year.
3. All plants are true to name and as represented in size, type and condition.

Furthermore,

WE GUARANTEE COMPLETE SATISFACTION.

If anything about our shipments to you is not satisfactory, we want to know about it immediately.

INVITATION

Whenever you are in South Florida please come and visit us. Let us show you the many lovely orchids we have in bloom and how you, too, can grow them!

Our nursery and natural jungle garden, THE ORCHID JUNGLE, is open every day from 8 A.M. 'til 5:30 P.M. and we have a fabulous Orchid Show every day in the year.

Bring this folder with you. It will entitle you to ONE FREE ADMISSION to our garden when presented at the gate.

Come soon—we'll be looking for you!

THE FENNELS

for pleasant living—
for gracious giving!

The drawing on this page are reprinted from "Orchids for Home and Garden" by T. A. Fennell, Jr.; Rinehart & Co., New York, N. Y.

Dividing and Repotting

REPOt — when your plants need it! This is important advice and deserves considerable thought and observation on your part. If you want your plants to do best for you, then you must treat them accordingly. Repotting at the correct time is one of the most important things you can do for your plants, and to do the plants most good it must be done at the right time. Each plant should be studied individually to determine if it needs repotting and then to decide if the time is right to do so. This should be a regular part of the routine of caring for your plants. You should be checking on the need of repotting constantly and regularly, just as you do with your watering, feeding and the other day-to-day care that you give your plants.

A plant needs repotting for any one of several reasons:

1. Because it has outgrown its present pot. —when the new growth and rhizome start out over the lip of the pot, it is time to repot. —if you don't, then the new growths may grow down over the side and the resulting misshapen plant will be difficult to fit into a pot when you finally do try to repot.
- a few roots growing out of the pot do not mean that the plants need repotting. These are normal aerial roots and can be ignored.
2. Because the potting material has deteriorated. Old osmunda becomes soft and rotten. The soft rotten material becomes like mud in the bottom of the pot and holds water much longer than it should. Then roots begin to rot and if repotting isn't done soon, the plant will start to shrivel and dry up. If the pot stays wet too often, for too long, the rot may get into the plant itself.
- Bark, as it ages, acts in much the same way. It becomes softer and starts to break down into smaller and smaller particles. These pack together more tightly all the time and naturally hold water longer. Due to lack of aeration and drying, the roots soon rot and the plant will eventually suffer.
- Old fir bark becomes spongy or punk-like and holds water much too long. Old pine bark gradually breaks down into smaller and smaller scales and, though it will not pack as tightly as the fir, it still takes longer and longer to dry out so that the result is much the same.
3. Because the drainage is not good. Once in a while, you find a plant that needs repotting due to lack of proper drainage. The holes in the pot have become plugged up or the potting material is too fine and the pot holds water too long. Soon the potting material goes sour and roots start to die.
4. Because the plant is not responding to normal culture properly. This doesn't seem like a very clear-cut reason for repotting, but many growers, when confronted with a plant that does not grow properly, for no obvious reason, will repot immediately, on the theory that something must be wrong at the roots. In a surprising number of cases, this works. It's a good rule-of-thumb to go by and can't do any harm.

BUT—A WORD OF WARNING

- Don't repot any more often than necessary.
- Don't repot without a good reason!
- Repotting is a certain amount of shock to any plant. The roots of a plant are its foundation and this foundation should not be disturbed any more often than necessary. Repotting always results in a slight set-back to plant growth.

THE RIGHT TIME TO REPOt

is important, too! Most orchids have a definite, seasonal cycle of growth. Repotting at some stages causes very little shock or set-back in growth. At other stages, the set-back can result in serious stunting and loss of bloom for that season.

- There are two good times to repot:
- 1. The best time to repot is just before or as the new, seasonal root growth starts. When repotted at this time, the plant becomes established in the new material immediately with the least possible shock and set-back.
- This new root growth comes at different stages in the plant growth cycle of different orchids. Sometimes it is just as the new plant growth starts. On other plants, it will be in the middle of the new plant-growth-cycle, while with still others, it may not be until after the new-growth is completed. But regardless of when the new root growth starts, this is the best time to repot this particular orchid, whether it may be spring, summer, fall or winter.
- Most orchids start their new root growth in spring or early summer, however, and for this reason we usually consider this time of the year as the repotting season.
- 2. The second-best time for repotting is immediately after flowering. Most orchids take at least a slight resting period at this time. Some actually go dormant for a while and this time, while the plant growth is at its slowest, is the second best time for repotting. If you missed the new-root-growth time for your repotting, and you're sure the plant really needs repotting, then go ahead and do it at this time.
- You can repot at any time if you feel that the plant really needs it badly. If you find that the potting material has suddenly gone bad, that drainage has clogged up, or that roots are rotting, then it may be advisable to go ahead and repot, regardless of the "right time." This is a decision you have to make yourself, depending on your own experience, observation and intuition. Often such a repotting, even at the "wrong time" will stave off an otherwise disastrous situation.

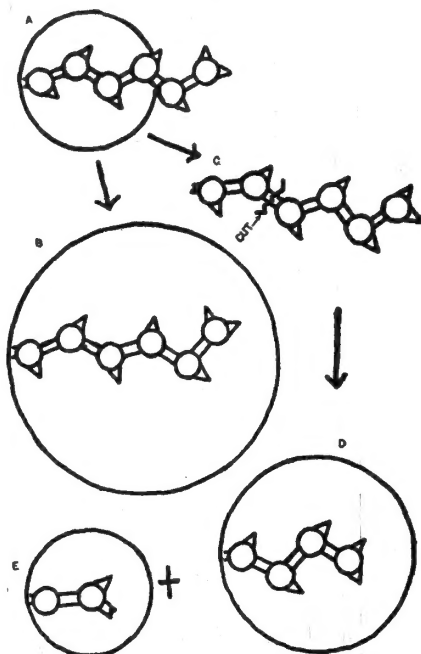
TO DIVIDE—OR NOT TO DIVIDE? A common question, and one that deserves more consideration than is usually given it! Most hobby-growers, particularly beginners, are prone to dividing their plants much too often. When we are asked whether or not a plant should be divided, we usually counter with a simple, "Why?"

It is perfectly all right to divide a plant if it is strong, healthy and large enough but, before you do, consider: WHY do you want to divide it? If you want to sell part of it, trade it for another plant, or give it away, then you have a perfectly good reason. If, however, as is often the case, you simply want to divide it because it is large enough and then you will have two plants instead of one, you may be making a mistake.

Most people divide their plants much too often. Keeping them small and dividing at every opportunity gives you more plants, it is true but many less flowers and a great deal more work. It actually comes down to deciding whether you want lots of plants or lots of flowers. If you want the most flowers possible for your greatest enjoyment—plants that are really showy—then don't divide them. Leave them big & repot into a larger pot. Bigger plants put out stronger growths & more of them than the small divisions. Naturally, this results in more flowers, too. Plants that are left big and placed in larger pots grow much more quickly than smaller divisions, & specimen plants can be produced in only a few years by this process. Yet these large plants are little or no more work than smaller ones, so you gain on flowers and save on work!

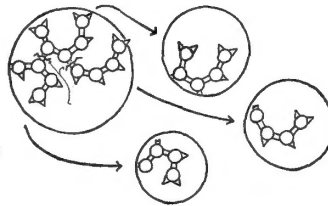
Sometimes it is advisable to divide your plants. There are 3 common situations in which dividing is called for:

1. Most common is when a plant grows along as a single or unbranching rhizome (Fig. 2a). Such a plant soon requires a large pot & yet continues to produce flowers on only one stem at a time (Fig. b)



These plants look ungainly and do not grow well in the larger size pots, so that it is best to divide them (Fig. c), keeping only the front 4 or 5 bulbs to repot & cutting off and discarding the back bulbs (Fig. d.) If the back bulbs are particularly strong & have a good set of roots, it may be worthwhile to pot them up too, (Fig. 4) but usually they take so long to produce blooms that they are seldom worth fooling with.

2. Specimen plants will finally become too large to handle easily. A plant that is too big for 10 & 12 inch pots is really very awkward to handle, and for the sake of practicality can best be divided into 2 or 3 still quite large plants. (Fig. f). But even here, do not divide down to any smaller plants than necessary.



3. Occasionally, a large plant will start branching so profusely that the rhizomes crisscross & soon produce a hopeless tangle. Once a plant starts this, it seldom continues growing strongly. It becomes so crowded that the resulting growth is usually weedy & weak. Also the rhizomes which are buried underneath the crisscrossing rhizomes quite often rot, & under such crowded conditions, the rot often goes undetected until the whole plant is infected. Therefore it is usually advisable to repot & divide such a plant as soon as this crisscrossing starts. Careful dividing can produce 2 or 3 large plants, & it is seldom necessary to reduce to small divisions.

If you must divide, there are a few simple rules to follow:

1. Keep a blooming size division, never less than 4 bulbs with a front lead, on Cattleyas. If you can keep larger plants of several leads they will do even better.
2. Cut the rhizome with a sharp blade; never use scissors, shears or clippers which crush the tissue & make fungus or bacterial infections more likely.
3. Dust all cuts with Fermate or Tersan. These are fungicides which seal the cut from infection.
4. Always remember that the bigger the divisions, the stronger the growth with less setback, and the more flowers will result. Now that the plant is divided, is a good time to clean up the plant. Remove the old potting material, discarding all old rotten fiber or bark & dead roots. Cut off excessive roots that will get in your way when potting. Keep only enough for a good anchor for the plant. Strip off the papery bulb sheaths, cut off dead bulbs & leaves, withered leaf tissues; and cut any injured or rotten spots in the leaves. Be sure you dust all cuts with Tersan or Fermate. Then check over the whole plant for insects which often hide under the papery bulb leaves & along the rhizomes, particularly in the joints between rhizome & bulb. Whether or not you notice any insects, it is a good idea to scrub the plants thoroughly from the tip of the leaf to the rhizome with a sponge or soft brush & soap and water. Or dip and scrub them in a solution of a good insecticide, such as New Improved Fenorco Spray.

At last you are ready to pot. The actual process is very simple, but there are several definite requirements:

1. The container & material must supply good drainage & ventilation so that the roots can dry out quickly & completely after watering. Special pots are now being made for orchids. They have slits cut into the sides for better ventilation & more complete drainage. Shallow pots, such as azalea pots and bulb pans are most satisfactory in the larger sizes, as orchids do not put out many roots & often do not fill a large, deep pot. Osmunda fiber, a coarse, black fiber, which is the roots of a fern, is the old traditional potting material for most orchids. You will also need a supply of pieces of broken pot, chunks of charcoal, or large gravel for drainage in the bottom of the pot.

2. Undoubtedly the most important requirement of orchid potting is that the plants must be potted so tightly that the plant is held firmly in place, so the rhizomes & roots of the plant cannot wiggle or move in the fiber. The new root tips are very soft & tender, almost jelly-like, and will be broken off & killed if the plant moves while the new roots are entering the fiber.

3. Plants should be repotted with only enough growing room for 2 or 3 years. The osmunda fiber will last only about this long before rotting and it is uneconomical to allow the plants more room than they need. A plant should be placed in the pot in a position which gives the most growing room at the front of the plant with the least waste space at the sides or back. If the rhizome is relatively straight, the back end of it should be placed against the edge of the pot with the plant pointing straight across the pot so that there is as much room as possible between the front of the plant and the other side of the pot. Usually you should allow 2 or 3 times the distance between the bulbs in front of the new lead. This usually amounts to about 2" on cattleyas.

4. The rhizomes should be buried only about halfway into the fiber with the upper half exposed. If the rhizome is buried completely under the surface of the fiber it will rot. If the plant is planted so that the rhizome and some of the roots are completely exposed to the air, the plant will never root into the fiber satisfactorily.

5. The top level of the fiber should be kept even with the rim of the pot. This is the easiest, best looking and safest way to pot.

6. If the plant does not have a good root system to anchor it when repotted and hold it until the new roots come out, then it should be staked and tied to keep it from wriggling while rooting. Sometimes it is advisable also to stake down the rhizome to hold it firmly in place until the new roots are formed. Staking and tying is also done for the sake of appearance & to avoid sprawling. Plants tied to a stake look much neater & take up less room.

Fennell orchid company

THE ORCHID JUNGLE

26715 S.W. 157 AVENUE • HOMESTEAD, FLORIDA

Orchid Seedlings

-- a fine way to buy QUALITY ORCHIDS
at Bargain Prices!

These rambunctious orchid seedlings are a terrific buy and an extra good way to add the finest new hybrids to your collection.

These are strong, sturdy young plants that will grow ahead swiftly and bloom soon for you. We have already done the hard work, and these vigorous plants are past their difficult baby stages. They're just waiting for you and "raring" to grow!

The spring growing season is fast coming up and

--- NOW IS THE TIME to order and have them shipped to you so that they can get "settled in" to your collection, and make the most of this spring's growing season.

Our '63 batch of new hybrids is one of the most exciting in years. These are truly "The Orchids of Tomorrow", bred from today's finest stud plants to produce the new and different quality flowers that will make your collection outstanding in the years ahead!

A WIDE VARIETY IS OFFERED in the following pages to suit;
-- every taste!

-- every growing condition!

--every purse!

TAKE YOUR PICK from this exciting assortment in whichever sizes and types you prefer ---

--- and be sure to look over

The Special Seedling Collections for Spring - '63. These specials give you more fine young plants at lower prices than we've ever offered before and the rising demand for these unusual new hybrids may well make it impossible for us to repeat such offers for a long time to come.

THREE SIZES TO CHOOSE FROM

SEEDLINGS IN INDIVIDUAL POTS. These are the largest and will bloom soonest! They are vigorous young plants, well established in 2½ and 3" pots. Many will bloom in 2 to 3 years. A few of the largest may bloom within the year!

DUG-UP SEEDLINGS. Rambunctious and large plants from communities, dug-up to order for you "do-it-yourselfers" who prefer to pot your own. Shipped postpaid in plastic bags and "raring to grow"! You save two ways on these. Prices are lower, and we pay the shipping cost too!

COMMUNITY POTS. We are truly proud of these, the fullest pots (20 to 30 plants in each) and the heaviest, sturdiest, most vigorous young plants you've ever seen. Will be ready to pot out into individuals in 6 to 8 months.

We have FLASKS AND SEED for sale too but are not listing them here. We publish separate lists of Flasks and Seed several times a year and send them to customers who ask for them. If you would like to receive these lists please write for them.

Of course,

SAFE DELIVERY IS GUARANTEED as always!

You can count on Fennell Seedlings to modernize and add to the quality and variety of your collection at moderate cost. They are the result of hybridizing the finest and rarest parent stock. Our hybrids are carefully planned to give you orchids that will be different and outstanding with:

--new colors in lovely "art-tones"

--extraordinary depth of color

--increased flower production

--long lasting quality

--new full "form".

NEW
for
63



INDIVIDUAL
POTS



"DUG UPS"



COMMUNITY
POTS



FLASKS



NEW HYBRIDS



INSIDE



turn



Seedlings in Pots

These sturdy young plants are exciting new hybrids that will add exotic variety to your collection. They have been potted for several months, and are well established to make strong, new growth this spring. Most are in osmunda fiber in 2½ & 3" pots. Many will bloom within 2-3 yrs. in these same pots before need of repotting. A few of the largest could well bloom this year. Prices F.O.B. Homestead, Fla.

• ORDERS OF \$25.00 OR MORE SENT PREPAID! •

CATTLEYAS

* Mrs. J. Leeman * A famous yellow brasso. This is a remake of one of the best known of all large & frilly yellows, made with exceptional selected varieties of the parents. We look for these to be extra fine, varying in color from clear lemon yellow & chartreuse to golden yellow and perhaps a few bronzes—all with extra large, fringed & frilly brasso lips. Heavy plants showing vigorous growth progress. 3" pots.
--3-4" tall \$2.98; 3 for \$7.98
--5-6" " 3.98; 3 " 9.98
--7-8" " 4.98; 3 " 12.98

* C. Laurie Lynn Westenberger * Award winning bifoliate whites. This fine new hybrid of C. Bob Betts x C. Claesiana is well known, already winning awards, and is sure to collect many more in the next few years. The few that have bloomed for us so far have been truly excellent and we offer these in full confidence of their quality. Flowers are medium large, of fine full shape for a bifoliate, & excellent substance, sparkling texture and a cluster blooming habit. Only a few of each size - 3" pots, largest could bloom within the year.
--5-6" tall \$4.98; 3 for \$12.98
--8-9" " 6.98; 3 " 16.98
--10-12" " 9.98; 3 " 24.98

* C. St. Petersburg x C. Pittiana * Rich, rosy-bronzes. This large flowered & floriferous bifoliate is a fine grower and the first few to bloom have been fully up to expectations. Probably will bloom over a wide season - perhaps more than once a year, as does it's St. Pete parent - a most satisfactory plant for every hobby collection, a colorful and exotic new hybrid that you should have! 3" pots.
--3-4" tall \$2.98; 3 for \$7.98
--5-6" " 3.98; 3 " 9.98
--7-8" " 4.98; 3 " 11.98

* (Lc. Black Hawk x C. Gigas)
x C. Loddegesii *
We expect one of the best bifoliate yet from this cross; a brilliant rose-purple version of Henrietta Japhet, but with better shape should be the result. These are extremely vigorous, fast growing, should carry 5 to 8 flowers per stem, several times a year, heaviest in spring & summer.
--1½-2" tall \$1.49; 3 for \$3.79
--2½-3" " 1.98; 3 " 4.98
--4-5" " 3.79; 3 " 8.98
--6-7" " 4.49; 3 " 10.98

* Bc. Daffodil * Our most famous golden yellow. A remake of our founder's first hybrid & still one of our most popular collector's items. Every propagation we can produce sells immediately at \$35.00 each. Dwarf growing, branching freely, blooming all over the bushy plants with clusters of pure golden yellow flowers that are waxy & last for months in the spring. Each about 3" in diameter - truly a gem that deserves a place in every collection. Husky plants that start blooming while still small. Largest of these could easily bloom next spring. 3" pots.
--2½-3" tall \$2.98; 3 for \$7.98
--4-5" " 4.98; 3 " 12.98
--6-7" " 7.98; 3 " 19.98

* Lc. G.G. Whitelegge
x Lc. Tampa Bay *
A fine, large, dark purple. This cross combines well known bloodlines and is bound to result in large & fancy flowers as showy as any available today. Husky young plants, 3" pots
--2-3" tall \$2.49; 3 for \$6.49
--4-5" tall 3.98; 3 " 9.98

VARIETY COLLECTION

One each of 10 plants on this page smaller sizes - value of \$33.83 for only \$26.95

NOVELTIES & SPRAYS

* EPI-DIACRIUM *
Epid. Alatum x Diacrium Bicornutum
The first few that bloomed charmed all who saw them - tall sprays of good sized flowers (about 2½" in diameter) of very delicate coloration - pastel pink with a faint pattern of rose colored stripes makes these quite unique; long lasting too. Plants are heavy and compact, branch & bloom freely. 3" pots.
--to bloom 1-2 yrs. - branched \$5.98
--to bloom within the year 7.98

* SCHOMBO-CATTLEYA *
C. Granulosa 'Dubuysoniana'
x Sch. Thomsoniana
Should produce the finest Schombo-cattleya yet - the first few are blooming now on plants in 3" pots only 6 to 8" tall, with flowers 3" & more in diameter, several to the stem. Plants remain quite small and very compact, yet produce 6 to 12 flowers per stem, when full grown. Colors range from green to yellow & bronze, all crimson lips. 2 & 3" pots.
--2½-3" tall \$3.98; 3 for \$9.98
--4-5" " bloom 1 to 2 yrs. \$6.98
--6-7" " bloom this year 9.98

* Dendrobium Hawaiian Beauty
x Dendrobium Lady Fay *
One of the very popular new hybrids of dark & round D. Phalaenopsis type bloodlines which produces long sprays, gracefully arching, in the fall and early winter months. Fine house plants - grow and bloom like cattleyas - well suited for home growing - prefer low humidity. All but the smallest should bloom this fall. A terrific buy at these new low prices!
--4-5" tall \$2.98; 3 for \$7.49
--6-7" " 4.49; 3 " 9.98
--8-10" " 5.98; 3 " 12.98

* Dendrobium Lady Hay *
Dark & brilliant polyploid hybrid. Somewhat darker than Dendrobium above. Sizes and prices as above.

CATTLEYAS

Cattleya Collection #1

One each of the six fine young plants listed above, smaller sizes - a total value of \$17.90 for the Special Collection Price of only \$14.49

Cattleya Collection #2

Six large seedlings - one each of largest sizes listed above - some of which may bloom within the year - a total value of \$36.39 for the Extra Special Collection Price of only \$27.95

NOVELTY & SPRAY COLLECTIONS

#1. One each of the smaller sizes of the four very rare and unusual seedlings listed above. A \$15.92 value at a Special Price of only \$12.95

#2. One each of largest sizes listed above - most will bloom within the year. Don't miss these at this wonderful Low Price. A \$29.92 value for only \$24.95



“DUG-UPS”-

just "raring to grow"!

Do-it-yourselfers take note! The rambunctious seedlings listed below will be selected individually and dug-up to your order, from our beautifully grown community pots & flats. These are some of the huskiest and most vigorous seedlings we've ever had and we commend them to you most heartily. They're so healthy and busting over with vim, vigor and vitality that they're a joy to behold.

Prices include postpaid shipment to you. Plants will be packed in plastic bags and shipped in insulated cartons as soon as there is a break in the winter weather, probably after April 1st. Send in your order now to reserve your choice of these wonderful new hybrids.

• • • • •
• MINIMUM ORDER \$10.00 •
• • • • •

* Angraecum Veitchii *

(A. Sesquipedale x A. Eburneum)

This is the best of all Angraecums - a remake of a famous old hybrid using carefully selected parentage which we hope will make these even better than the original cross.

These handsome plants have lush, dark blue-green foliage and large waxy star shaped flowers with a tint of ice green. Several flowers on arching stems, usually 2 at a time, make a very stunning & showy display.

--2-3" tall \$1.98; 3 for \$4.98

--4-5" tall 2.98; 3 " 7.49

--6-8" tall 3.98; 3 " 9.98

* C. Priscilla Ward *

(C. Granulosa x C. Forbesii)

A remake of the best really green cattleya we know. Previous cross is predominantly strong green in the leaf-green to olive-green range with wine-red or orange and red striped lips, medium sized flowers in clusters, very waxy & long lasting with a surprisingly good shape. RARE & CHOICE!

--1½-2" tall \$1.79; 3 for \$4.49

--2½-3" tall 2.98; 3 " 7.98

* C. Forbesii 'aurea extra' x self *

This seed came from Brazil with the notation that it was the best form of this species known there - an extra large flower of clear yellowish green with a brilliantly striped lip of orange & white. Slender but fast growing plants. Larger could bloom next year.

--4-5" tall \$3.49; 3 for \$8.98

--6-7" tall 4.98; 3 " 11.98

* C. Skinnerii Alba

X C. Nettie Belle Robinson *

This cross between a seemingly pure white Skinnerii and a fine large white of St. Petersburg bloodlines is bound to produce extremely strong-growing, heavy-blooming, bifoliate for spring, or that may

bloom more than once a year, but some of these may be blushed with color. We are growing lots of these for our own collection because we expect it to be good whatever the color.

--1½" tall \$1.79; 3 for \$4.49

--2½" tall 2.49; 3 " 5.98

--4" tall 3.49; 3 " 8.98

* C. Aurantiaca x

(Lc. Altesse x C. Marstonii) *

Another in our most popular line of aurantiaca hybrids. Should be very similar to Wolteriana but with larger & better shaped flowers, perhaps slightly darker too in the coral to salmon & rose color tones, extremely vigorous & fast growing. Bloom early, branch freely & make wonderful pots of flowers in large clusters on relatively small and compact plants. Very fine for the hobby collector. Don't miss this one!

--1½" tall \$1.79; 3 for \$4.49

--2" tall 2.49; 3 " 5.98

* (Lc. Black Hawk x C. Gigas)

x C. Loddegesii *

We are growing thousands of these for ourselves, because we expect a vividly colored, rose-purple version of the extremely popular & commercially successful C. Henrietta Japhet from this cross. Substance will be heavy, the flower long lasting, size and shape medium & flower production very heavy, 4 to 8 or 10, 5" flowers per stem for spring and summer. Fast growing, extra vigorous young plants. Order several for your own collection, at these special prices:

--1½" tall \$1.49; 3 for \$3.95

--2½" tall 1.95; 3 " 4.95

SCHOMBO-CATTLEYAS

* Schomburgkia Crispa

x C. Loddegesii *

Such crosses are very rare & all of the Schombo-cattleyas produced so far have been instant sell-outs.

The most popular innovation in the cattleya group in recent years. In this cross, we expect heavy & long lasting flowers, rosy-bronze color range, about 3" across, in large clusters of 10 to 15 at the top of 2 to 3' stems. Very heavy & prolific plants that soon make large, well branched specimens that are very showy. Spring.

--1½" tall \$1.98; 3 for \$4.98

--2½" tall 2.98; 3 " 7.98

* C. Granulosa 'Dubuysoniana'

x Sch. Thomsoniana *

Should produce the finest Schombocattleya yet. The first few are blooming now on plants in 3" pots only 6 to 8" tall, with flowers 3" & more in diameter - several to the stem. Plants remain quite small and very compact, yet produce 6 to 12 flowers per stem when full grown. Colors range from green to yellow and bronze, all with crimson lips.

--1½-2" tall \$1.98; 3 for \$4.98

--2½-3" tall 3.49; 3 " 8.98

--4-5" tall 4.98; 3 " 12.98

EPI-CATTLEYAS

* Epidendrum alatum 'Majus'

x Lc. Warhawk *

One of the larger, bulbous type, Epi's with a large lip and predominantly yellow color, crossed with a vivid rosy-purple Lc. We expect 3" flowers on tall sprays with a modified cattleya shape and colors in the bronzy-red to wine-red range. Exceptional substance and texture. Previous crosses of this type have been fine growers, branching freely & quickly becoming specimen plants of great and exotic beauty. The tall, many flowered sprays of these new hybrids have made them "the rage" of the hobby collectors' world in the last year or two.

--3-4" tall \$1.98; 3 for \$4.98

--5-6" tall 2.98; 3 " 7.98

--7-9" & heavy, 4.98; 3 for 12.98

DUG-UP COLLECTIONS

#1-One each, smaller sizes, of the 9 Dug-Up

seedlings above - A value of \$18.27

For the Special Collection price of only \$14.95

#2- One each of the larger sizes; 9 strong and

sturdy Dug-ups for '63 - Total value of \$32.81

for the Extra Special price of only \$24.95

COMMUNITY POTS !

The crosses listed below are the first for '63 & they are wonderful community pots. These 3" pots contain 15 to 30 extra large & strong seedlings in as perfect condition as you will ever see. Many need shifting to individual pots now. Stock on any one cross is limited so please order soon, and indicate 2nd choices wherever possible.

Prices F.O.B. Homestead, Florida

Orders of 4 or more sent prepaid

Phalaenopsis Federal Monarch. This exceptional cross of the two famous tetraploids, P.Palm Beach and P.Joanne Magale, is producing more prize-winners at the shows last year and again this year than any other hybrid we've seen. Plants are extra heavy and strong-flowers are large, heavy, long-lasting & of perfect shape - in pure glistening white. We have a few "Com pots" left - 15 to 20 plants in each - 1½ to 2" across at a one-time-only price of
only \$19.95

C. Intermedia Alba

x C. Barbara Billingsley

This new hybrid should produce extra floriferous cluster whites of medium large size for winter and spring - much like the well known Henrietta Japhet. About 20 plants to the pot. 1½-2" tall \$14.95

C.intermedia 'Alba plena' x Self

The best form of this absolutely pure white species - rare and much sought after. 20 to 25 plants 2-3" tall. \$19.95

C. Granulosa

x (Blc.Zanturano x Blc.Nuggett)

A clear chartreuse form of Granulosa is crossed here with a fine large yellow brasso to produce large & fancy bifoliates in clusters of green to gold and bronze. Should be very fine & floriferous for fall & winter. 25 to 30 plants in 3" pots. \$19.95

Phal.Fenton Davis Avant

x P. Luddemanni

A large and extra fine polyploid white crossed with a very darkly spotted and barred one will give us exceptional progeny of the Texas Star type that are so popular and so hard to get. About 15 plants in 3" pots. \$19.95

COMMUNITY POT COLLECTION

One each of the five pots above--a value of \$94.75---while they last, for the Very Special Price of only \$69.95

Page 6

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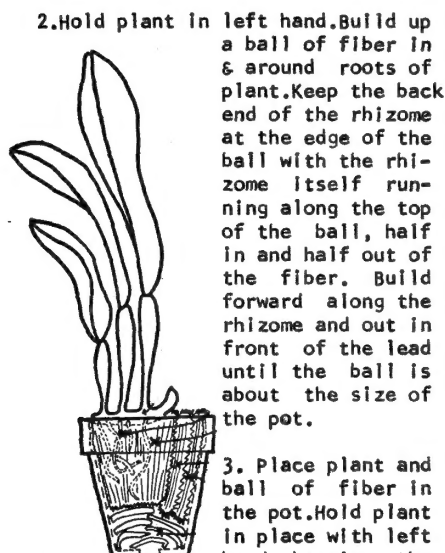
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FENNEL'S ORCHID GROWER'S HANDBOOK

REPOTTING IN OSMUNDA Step by Step Potting Method

1. Select correct size pot. If possible, one with slits. Fill about 1/4 full of drainage material (broken pots, gravel or charcoal). If you choose a regular flower pot, fill it about 1/3 to 1/2 full of drainage material.

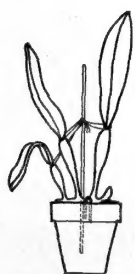


2. Hold plant in left hand. Build up a ball of fiber in & around roots of plant. Keep the back end of the rhizome at the edge of the ball with the rhizome itself running along the top of the ball, half in and half out of the fiber. Build forward along the rhizome and out in front of the lead until the ball is about the size of the pot.

3. Place plant and ball of fiber in the pot. Hold plant in place with left hand, keeping the back end of the rhizome firmly against the edge of the pot. The front end or lead of the plant should be held pointing toward the farthest point of the pot rim. Now push the fiber back toward the back of the plant, making room between the front of the ball & the rim of the pot.

4. Add more fiber until very tight. Use large pieces of fiber, running from top to the bottom of the pot in a vertical fashion. Do not fill pot with horizontal layers of fiber because it is very hard to get the fiber really tight in this manner. Keep adding fiber always between the existing fiber & the front of the pot. This constantly pushes the plant and fiber backwards so that the back end of the rhizome stays against the edge of the pot without leaving waste space. Be careful during this process to keep from burying the rhizome or allowing it to raise up out of the fiber. Also be careful not to allow the fiber to mount up in the center of the pot. These difficulties are very likely to come up when you are first learning to pot. The only remedy is to pull out some of the fiber & start all over again, keeping the rhizome & fiber level with the rim of the pot. A potting stick such as the one supplied in our repotting kit will be quite useful in the last stage of cramming fiber into the pot so that it is really hard and tight.

5. Test for wiggling. Shake the pot. The leaves will move, but the rhizome should not. If the rhizome does move, then staple it down & stake the plant. Tie the leaves until the rhizome cannot move when the pot is shaken. (See Fig. b).



6. Test for tightness. You should be able to lift the plant, pot and all by the leaves & shake it without the pot falling off.

REPOTTING IN BARK

1. Remove ALL osmunda or old rotten bark from orchid roots before potting in any of the barks.

2. Use standard pots, or slit pots, unglazed red clay type. Fill the pot 1/3 full of crock, large gravel or charcoal for drainage.

3. Bark should be damp but not wet when potting. If you pot with dry bark, it is almost impossible to wet the pot and bark all the way thru.

4. Allow about 2" growing room in front of the plant when choosing pot size.

5. Pine bark comes in 3 grades suitable for all sizes of plants and pots. Use fine grade for small seedlings in community pot mixes. Medium grade is for thumb pots & up to 4" pots. The large grade is best for potting in 5" & larger pots & especially good for Vandas, Phalaenopsis & other such plants that like a coarse growing medium. These larger particles can also be mixed back in with the other grades of bark if a coarser mix is desired.

6. Using the smaller grades of pine bark, you pot just as with soil. Simply hold the plant in the proper place in the pot with one hand and pour in the bark with the other hand, tamping it down lightly with the fingers as you go, & making sure that the bark works in & around between the roots. Don't fill pot full of bark and then try to tamp. You will not get it tight all the way down. It is important to tamp as you fill. With the larger, coarse grade, it is better to place the bark vertically in the pot. Working a piece at a time, make sure to get in between the roots & to fill all large spaces as you go. Work out from the edge of the pot at the back of the plant across to the far edge of the pot. Then turn the pot around with the front of the plant facing you and tighten the bark by pushing the plant & bark back away from you and adding more bark between the front of the plant and the edge of the pot.

Since pine bark is scaley & comes in flat, wide pieces, this vertical placing allows you to tighten the potting just as much as in osmunda and gives a good, firm foundation for the plant's new growth. Placing the bark vertically also gives better drainage & does away with the possibility of dry spots in the potting material under the overhang of large pieces of bark. This vertical placing takes a little longer than pouring it in willy nilly, but with practice it goes very quickly & does a much better job.

7. Proper placement of the plant in the pot is very important to subsequent plant growth; allow plenty of growing room in front of new lead, ---keep rhizome at level of potting material. Must not be buried or elevated.

8. Until new growth starts, the plant will need to be held firmly in place. Staking and tying in the conventional manner will help, but the old-fashioned straight stake does not give very good support in freshly potted bark. Best support

is given by Fennell's Clip on Ring Stakes which clip on to an adjustable ring on an upright. This ring encircles the whole plant and does away with strings and tying. Also never pinches or chokes new growth, etc. If you prefer to stake & tie your plants, Fennell's New Clip-on Straight Stakes give steadiest and best support. These stakes clip firmly onto the side of pot & give strong, firm support for your plants.

To hold down the roots and rhizome until the bark settles & new roots root well into the bark, use Fennell Orchid Pot Clips. These little clips clamp tightly onto the lip of the pot and a prong reaches out across the pot to press the rhizome down firmly into the bark. This little gadget solves the major problem in bark potting & is well worth while. We often use 2 on a plant.

CARE OF PLANT AFTER POTTING

This repotting and dividing is, of course, somewhat of a shock to the plant, mostly because of the loss of roots & damage to the roots during potting. Naturally, any injury to the roots of the plant lessens its ability to pick up water and food. Plants repotted at the right stage of growth will have little or no setback, but you must expect some shriveling of the leaves after repotting.

WATERING

The most important part of the care of your plant after repotting concerns watering. You should keep plants newly repotted in osmunda somewhat on the dry side. Their roots cannot pick up much water anyway, & this dryness will induce the plant to put out new roots quickly. Occasional light waterings, only about 1/2 as often as usual, are all that is necessary. Sprinkling the leaves lightly every day will help reduce shriveling until the new roots come out. As soon as the new roots appear from the rhizome and start out into the fiber, you may resume your normal watering & feeding schedule, & all shriveling should disappear soon thereafter.

CULTURE IN BARK

1. Bark is hard to wet at first, usually must be watered every few days for the first few weeks, but soon settles and will hold water. Then water whenever it gets really dry on top & when the side of the pot feels really dry.

2. Tree barks have little food value, much less than osmunda, so heavy feeding is necessary. Fenorco Plant Food should be used every other time you water. A certain type of wood fungus grows in fir & redwood bark & steals the nitrogen of the fertilizer from the plants. Therefore it is necessary to feed an extra heavy amount of nitrogen when potting with those barks, in order for any to be left for the orchids. Best recommendations so far are for the use of 1 level teaspoonful of Ammonium Nitrate to one gallon of water everytime you water, without the other orchid fertilizer. If you do not give this extra nitrogen, your leaves will be yellow and the plant will not grow as well as it should. Fennell's Pine bark is not troubled with this fungus & extra nitrogen is not advised for orchids in our Pine Bark.

GROWING HINTS

LEAF TROUBLES

We often receive questions about "black spots on the leaves" of orchid plants, with little or no details or descriptions. This is like writing to your doctor and telling him simply that you have a spot on your skin. Many things can cause spots on orchid leaves. These spots may be dangerous or they may be harmless. It is hard to tell without specific details of their color, size, texture, position and distribution and other details, such as whether or not they are static or continuing to spread.

To begin with, many orchids have red, purplish or brown pigment in their leaves. Under certain conditions, such as strong light, this pigment can show up in the form of spots (like freckles), darkened areas along edges or at tips of leaves or on the under surface of the leaves and as long as the leaf tissue is firm and turgid, such coloration is perfectly natural and harmless.

In general, any black, dark brown or grey spot that feels hard and dry to the touch and does not grow larger from day to day, can be ignored. The chances are that such spots are simply scar tissue resulting from a mechanical injury and are no more harmful than is a scar on your own skin.

Sunburn also causes large spots or discolored areas. By the time you notice it, the harm has been done and there isn't anything you can do except to move the plant to a slightly less sunny spot. Extreme sunburn can cause whole leaves to fall off or even kill the plant, but more normally, only those areas turned exactly at right angles to the sun's rays are burned. Thus a leaf usually burns somewhere along a bend where the sun hits it straight on.

Typical sunburn is relatively easy to identify. The spot is usually round or oval in shape and fairly large, from the size of a nickle to the size of a silver dollar. At first, the area will be grayish-green or yellowish-gray, slightly swollen or raised and slightly soft. In a day or two, the surface begins to shrivel and get rough or pebbly and turns yellow, then brownish-black; the burned area then starts to sink and dry out and eventually ends up completely sunken, papery and gray or black. The area between the healthy tissue and the burned spot is usually a ring of yellowish or brownish tissue that is rough and hardened.

Black-rot is the one type of leaf-spot that is really dangerous and harmful. It is a fungus disease. This is easy to tell from the other kinds of leaf spot, both by appearance and by touch. Black-rot looks rotten. It is soft and squashy to the touch and feels wet or greasy. It shows up most often at the ends of the leaves, either the tip or the bottom where the leaf joins the bulb; also in new growths at the tip or anywhere that the new growth forms a "cup" that will hold water, in the unfolding new leaf or in the bulb sheaths along the lower portions of the new growth. In particularly bad infestations, black-rot may also attack the bases of the bulbs.

The only treatment for black-rot is to cut away all infected tissue and spray with fungicides to try to control spreading of the rot. When cutting out black rot, you should be careful to cut well below the infected tissue in the clear green, where no yellowish or brownish streaks of spreading infection show up. Always sterilize your knife blade between cuts, either by flaming with a match or by dipping in strong ethyl alcohol to prevent spreading the infection with your knife. It is better to cut off too much than not enough. If any infected tissue remains, the black rot will continue to spread and can go thru the whole plant. Cut edges of the plant should be cauterized or sealed by dusting with FERMATE, a fungicide available at most garden supply stores. This prevents a new infection in the cut.

Latest reports are that the best fungicides for orchids are FERMATE, TERSAN and NATRI-PHENE. These are supposed to do the best job of controlling the more common fungi found in orchids. Most fungi need water in which to propagate and spread. Thus, most fungus infections in orchids are due to too much water or conditions of too high humidity. Also the fungi spread more quickly and are more virulent when temperatures are high. Naturally, most fungus infections occur in the summer and fall months when plants are in active growth, when we are watering often and the humidity in the air and the temperatures are high. Lush summer growths made under conditions of high temperatures and high humidity when growth is rapid and soft are most prone to fungus infections. Therefore, anything you can do to increase ventilation, keep temperature and humidity as low as possible and facilitate drying out of pots and surface water on the leaves will be of real help in keeping down the chances of infection. Small fans circulating the air are a real help. Also avoid watering late in the day when leaves will not dry out before night-fall. Keep syringing and misting down to a minimum. When watering, try not to splash water into cups formed in the leaves of new growths. The drier (within reason) you can keep the leaves of your plants, the safer they will be.

ORCHID SUPPLIES

We maintain a complete stock of orchid supplies for your convenience. These supplies are quickly and easily available at all times by parcel post.

Just let us know your needs. We try to give you complete service for all your "Orchid needs and Wants."

"NEW IMPROVED" FENORCO PLANT SPRAY

"New Improved Fenorco Plant Spray" - the only all-purpose insecticide that is especially formulated for orchids, and best of all, it's one of the safest for you to use, too! You should spray regularly on a monthly schedule with our "New Improved Fenorco". This will keep your plants insect free all the time!

"New Improved Fenorco" controls all orchid pests; insects, mites, slugs & snails. It is a concentrate that dilutes 1 part to 36 parts of water and it has a residual action of 4-6 weeks. If you haven't tried it already, you should now! You'll find it's a wonderful convenience. This one spray replaces the whole shelf full you've been using and you do the whole job of spraying at one time as well. Order yours today.

Pints, \$4.00 Quarts, \$6.50 Gallons, \$18.50
Postpaid

OSMUNDA: Enough for 2-3 - 6" pots, postpaid 2.00
Enough for 5-6 - 6" pots, postpaid 3.50
Bales (50 or 60 - 6" pots) f.o.b. Homestead 14.00

JUNIOR REPORTING KIT Includes osmunda for 2-3 - 6" pots, labels, potting stick & repotting folder. Complete, postpaid 3.50

SENIOR REPOTTING KIT as above, but includes osmunda for 5-6 - 6" pots & more labels, Complete, postpaid 5.00

PINE BARK

FINE for communities & seedlings up to 2 1/4" pots, also for Cypripediums.

MEDIUM for general potting of most kinds of orchids in 3-5" pots

COARSE for larger pots, 6" & up, for Vandas & Phalaenopsis in all pot sizes above 3 inches.

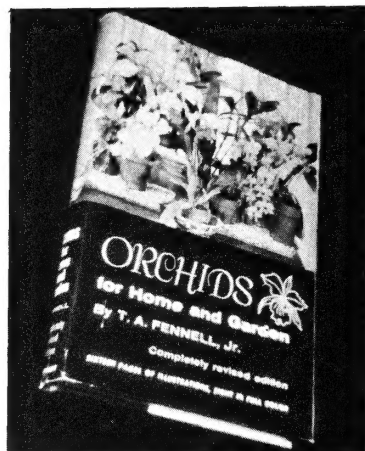
Instruction sheets-POTTING & DIVIDING

HOBBY BOX enough bark for 7-10 - 5 or 6" pots

1 CU. FT. enough bark for 20-30 - 5 or 6" pots
2 CU. FT. enough bark for 40-60 - 5 or 6" pots

JR. BARK POTTING KIT. Includes enough pine bark for 9-12 - 5-6" pots, plus 6 clip-on orchid stakes and 12 orchid pot clips with complete instruction sheet for potting orchids in bark.

SR. BARK POTTING KIT. Includes enough pine bark for 20-30 - 5-6" pots plus 15 clip-on orchid stakes & 30 pot-clips plus a complete instruction sheet for potting orchids in bark. (Instruction sheets for both Jr. & Sr. potting kits contain drawings for complete instructions.)



FENORCO HYDROPONIC PLANT FOOD. The best known & most widely used orchid fertilizer. Used successfully by thousands of flower growers around the world

1 pound, postpaid \$ 1.75
5 pounds, postpaid 4.50
10 pounds, postpaid 8.00

FENNELL'S AMMONIUM NITRATE FOR ORCHIDS IN BARK. The best & easiest source of extra nitrogen necessary for feeding orchids that are planted in the new barks.

1 lb. postpaid \$ 1.00
5 lb. postpaid 3.75
10 lb. postpaid 4.98

NEW CLIP-ON ORCHID STAKES. A new design, much neater looking and easier to use, also holds the pot more firmly & gives a steadier support for the plant.

1 doz. postpaid \$ 2.49
25 postpaid 4.79
100 postpaid 16.95

CLIP-ON RING STAKES. These stakes clip onto the side of the pot and give strong & steady support to the plants. Size & height of ring are adjustable. Almost indispensable for potting in the new barks.

10 postpaid \$ 2.49
25 postpaid 4.98

NEW ORCHID POT CLIPS. This ingenious little gadget solves the one major nuisance in bark potting. It keeps the bottom of the plant steady until new roots get established. The pot-clip clips onto the side of the pot and a prong reaches out across the rhizome to hold the plant down firmly into the bark. We often use 2 on a plant. Get some and try them.

1 doz. postpaid \$ 1.25
25 postpaid 1.98
100 postpaid 6.95

CLIP-ON POT HANGERS. A new design with a strong spring grip and a longer hook than previously available (20" high)

10 postpaid \$ 2.49
25 postpaid 4.98

DOUBLE CLIP-ON POT HANGERS. The same new design as above but double with clips on both ends for hanging the larger and heavier pots. Keeps even the heaviest pot hanging evenly.

10 postpaid \$ 4.49
25 postpaid 8.98

SIZES AND PRICES OF PINE BARK

		ALL POSTPAID PRICES			
Grade	Hobby Box	1 cu. ft.	2 cu. ft.	Jr. potting kit	Sr. potting kit
Fine	\$2.23	\$3.22	\$6.14	\$3.98	\$5.98
Med.	2.23	3.22	6.14		
Large	2.48	3.42	6.60		
Tex., Okla., Ark., La., Miss., Tenn., Ky., Mo., Ia., Ill., Ind., Ohio, Mich., Wisc.					
Grade	Hobby Box	1 cu. ft.	2 cu. ft.	Jr. potting kit	Sr. potting kit
Fine	\$2.72	\$4.81	\$8.96	\$4.49	\$7.49
Med.	2.72	4.81	8.96		
Large	2.97	5.01	9.45		
Ariz., Cal., Ore., Wash., Idaho, Wyo., Mont., N. Mex., Colo., Kans., Nebr., S. & N. Dak.					
Grade	Hobby Box	1 cu. ft.	2 cu. ft.	Jr. potting kit	Sr. potting kit
Fine	\$3.09	\$5.88	\$11.13	\$4.98	\$8.98
Med.	3.09	5.88	11.13		
Large	3.34	6.08	11.62		

A Book Every Orchid Lover Should Have

A really good beginner's book on orchids that you've been asking for so long! **ORCHIDS FOR HOME AND GARDEN** by T. A. Fennell, Jr. is a real primer. You don't have to know anything about orchids, or other plants, to learn from this book - it starts from scratch and uses simple, clear English with no fancy technical terms. Whenever "new" words are used they are explained right there in the text.

ORCHIDS FOR HOME AND GARDEN is the first orchid book giving you really simple instructions for growing orchids at home - it is also the first that covers the use of orchids as garden plants in the tropics and sub-tropics. There are chapters on all phases of orchid culture; starting your collection and how to buy orchids, orchids that you can grow, raising orchids from seed, making your own arrangements and corsages, landscaping your garden, lath-houses and greenhouses, etc.

ORCHIDS FOR HOME AND GARDEN is profusely illustrated with drawings by the author and with eight pages of color and eight pages of black and white photographs. Altogether we feel it is the most informative and worthwhile book for the beginner ever published.

Rinehart and Company, Inc. is the publisher and it is available from us or from your favorite book store. **\$3.95 postpaid**

NEW CORSAGE KIT

For making white, lavender and purple orchid corsages.

Includes: Complete instructions with drawings and all the supplies you need: 1 roll of white and 1 roll of lavender stem tape, 1 bundle of stem wire, 1 roll of white satin ribbon, 1 roll of two tone lavender and purple satin ribbon, 30 white and 30 lavender corsage pins, 6 aqua pins (for wearing your flower in water) and a generous supply of shredded wax paper. Also includes a generous bundle each of white and lavender chenille pipestem cleaners (to use instead of wires and ribbons in different corsages). Enough to make 50 to 60 corsages. Price Postpaid \$6.98

FANCY CORSAGE KIT

For making all sorts of fancy orchid corsages in a variety of colors. Includes complete instructions with drawings and all the supplies you need: 1 roll each of stem tapes in white, lavender, brown, and green, 1 large bundle of stem wire, 1 roll each satin corsage ribbons in white, two-tone lavender and purple, two-tone chartreuse and brown, and gold, 72 corsage pins in assorted colors, 6 aqua-pins (for wearing your flowers in water), 3 wrist corsage bracelets, a large bundle of chenille pipestem cleaners in assorted colors (to use instead of wires and ribbons in *Different* corsages), 10 yards of nylon chiffon netting, and a generous supply of shredded wax paper. Enough to make 100 or more corsages. Price Postpaid \$12.98

Prices on supplies for Foreign Shipments are F. O. B. Homestead, Florida. Actual postage will be billed

MATURE PLANTS TO BLOOM SOON ----

CATTLEYA

SPRAY & CLUSTER

STARTER COLLECTION

These are the most popular of all orchids--the large, regular corsage types.



LAVENDER

A wide variety of hybrids in the lavender-orchid color tones from pastel to medium. All labelled as to name--our choice, shipped in sheath to bloom soon.

--Single plants	\$ 9.98
--Two leads	14.98
--Three leads	19.98

LARGE & FANCY DARKS

Modern hybrids of well known bloodlines that produce flowers of much better than average quality. These are all carefully selected plants with large, full flowers of heavy substance, long lasting & bright lavender-purple, or dark purple colors with deep & brilliantly colored lips: Cattleyas--Laelio-cattleyas & Brasso-laelio-cattleyas. All correctly labelled - our choice, in sheath to bloom soon.



--Single plants	\$24.98
--Two leads	34.98

PURE WHITES AND

WHITES WITH PURPLE LIPS

These are some of the strongest growing, heaviest flowering of all Cattleya hybrids. Usually produce 3 or more flowers per stem & often bloom more than once a year. Our choice, correctly labelled-in sheath to bloom soon.

--Single plants	\$24.98
--Two leads	32.98
--Three leads	39.98



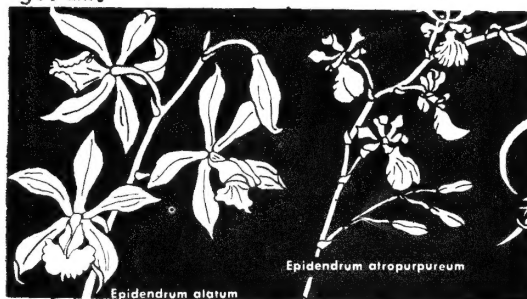
DENDROBIUMS

A few late bloomers are still in bud & will be shipped to the first few orders we receive. Later orders will bloom next spring. These are small to medium sized mature plants that bloom with lavender flowers from 2 to 4" across, carried 2 at each joint along lower half of pendant bulbs-----a few each of Parishii, Pierardii-Primulinum and Superbum. Order immediately if you want them in bud.

--Single	\$9.98	\$12.98
--Doubles	14.98	19.98

EPIDENDRUMS

We have a few of each of many very interesting and worthwhile species in the bulbous or Encyclia group of Epidendrums now coming into bud, ones such as alatum, atropurpureum, Coastaricense, Handburyi and Selligerum.



Flowers are from 1" to 2½" across and are carried on tall, branched stems of from 15 to 50 or more of flowers. These are husky plants, easy to grow and to flower. All are sweet scented. Most are not labelled; priced according to plant size, in bud.

--Single	\$5.98	\$7.98	\$9.98
--Two lead	8.49	11.49	
--Larger	14.98	19.98	

STANHOPEA

Some of the wierdest & most exotic of all orchids--very attractive in a really different and odd sort of way. Flowers look like waxen Dragon Heads conceived by Walt Disney, and are produced from base of plants growing down thru the roots & hanging out beneath the plants. Each from 4 to 8" across and carried in clusters of 3 to 10 at a time. Very sweet scented. Bloom late summer.

WARDII. Cream with red spots.

--Mature plants,	\$10.00	\$17.50
--Seedlings 1/2 grown	6.98	

TIGRINUM. Huge, chocolate brown

--Mature plants	\$15.00	25.00
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Especially planned as a good start in the orchid hobby, each is made up of 5 different orchids to bloom at different times around the year; either will fit on a single cake pan in one window & give a fascinating introduction to this wonderful ORCHID HOBBY! These starter collections are offered at a special, LOW introductory price much below the total value of the individual components.

CATTLEYA STARTER COLLECTION

Includes 5 cattleya hybrids. The regular large lavender corsage orchids you see at the florists.

Three are mature plants, one is shipped in bud to bloom soon after it arrives the other 2 to bloom at other times around the year.

The 2 other plants are seedlings of fancy new hybrids of unusual shapes and colors to bloom within 18 months to 3 years. Also included are 2 pounds of Fenorco Plant food and the fine handbook on the orchid hobby, "Orchids for Home and Garden". A total value of more than \$40.00 for the Special Introductory Price of only

\$29.95



VARIETY STARTER COLLECTION

is made up of 5 totally different kinds of orchids--all are mature plants to bloom this year. One will



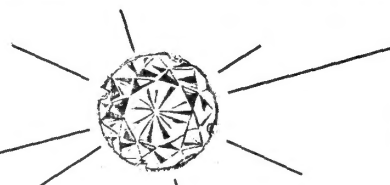
bloom soon after you receive them, the others at intervals around the year. Includes a lavender corsage type cattleya, a Vanda, a Phalaenopsis, an Oncidium, & an Epidendrum.

Each one is a different size, shape & color. All are sturdy plants- easy to grow & easy to flower; a well-rounded variety collection! Also included are 2 lbs. of Fenorco Plant Food & the orchid world's best selling handbook, "Orchids for Home & Garden". Altogether a value of more than \$40.00 for the Low Introductory Price of only

\$29.95

You Can Grow Any of these Orchids!

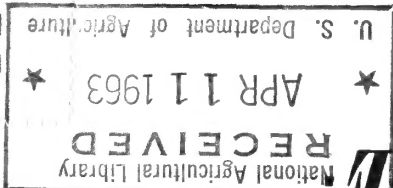
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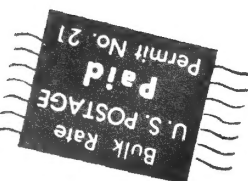
FENNEL'S ORCHID NEWS

U.S. Department of Agriculture
Library, Division of Reference
Washington 25, D.C.



RETURN REQUESTED

FENNEL ORCHID COMPANY
26715 S.W. 157th Avenue
HOMESTEAD, FLORIDA



KEEP YOUR PLANTS CLEAN

They say that "cleanliness is next to Godliness." With orchids as well as most other phases of our life, this is pretty true. Keep your orchids clean and they will reward you with better growth and more and better flowers. In the first place, clean orchid plants look healthier and better; in the second place, they are bound to be healthier and stronger in actual fact.

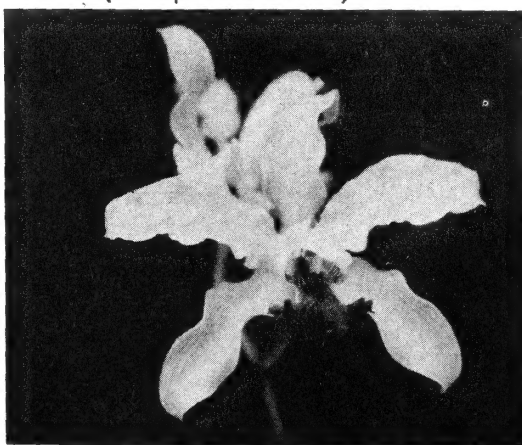
There is very little actual work involved in keeping your plant clean:

- weed the pots.
 - insects thrive in and among the weeds
 - weeds steal food from the orchids
 - weed roots choke orchid roots
 - weed roots break down the potting material or clog it up so that the pot holds water too long.
 - weeds are unsightly
- strip off old bulb sheaths.
 - when they become papery.
 - they are unsightly.
 - insects breed and work on the plants under them where you can't see them.
 - water is held in them and fungus rot can start more easily.
 - these sheaths cut off light that the green tissue needs for proper growth.
- wash off leaves.
 - once a month or so with soap and water, using a soft brush, sponge or cloth.
 - accumulations of dust, fertilizer, algae, etc., can cut out considerable light.
 - insects that are too small to see with the naked eye are washed off too.
- spray your plants regularly.
 - particularly if you have too many plants to wash them as recommended above.
 - a good insecticide, such as "New Improved Fenorco Plant Spray" should be used regularly.
 - spray whole plant; under leaves, at joints of leaf and bulb and bulb and rhizome.
 - dip the pot in the spray too. This will kill pests hiding inside.
- keep your growing area clean, too.
 - this is as important as plant cleanliness.
 - insects and fungus thrive and breed in trashy and weedy places.
 - weeds growing around your plants constantly seed onto your plants.
 - when you spray your plants, also spray all around them.
 - Keep the whole growing area insect free. This reduces chances of reinfestation.

We've been blooming some really magnificent orchids here at the Jungle this winter--some fine new ones and some wonderful "old timers" too!

Of particular interest has been the first to flower of our #862 C. Granulosa 'Dubuysoniana' x Sch. Thomsoniana. This new Schombo-Cattleya has lived up to all of our fondest hopes and I think it bids well to be the finest Schombo-Cattleya yet produced. Flowers are about 3½" across, well held and of very good segmental proportions, with crisply undulant and fluted edges--with creamy yellow sepals & petals, finely but distinctly veined or striped with rosy red & very boldly set off by an attractively shaped lip of rich, vivid crimson red. These very novel & interesting flowers are carried several on medium tall stems, only 6" to 12" above the leaves & best of all, the plants are very compact & dwarfed in size, blooming strongly when only 6 to 8" tall & in 3" pots.

(See photo below)



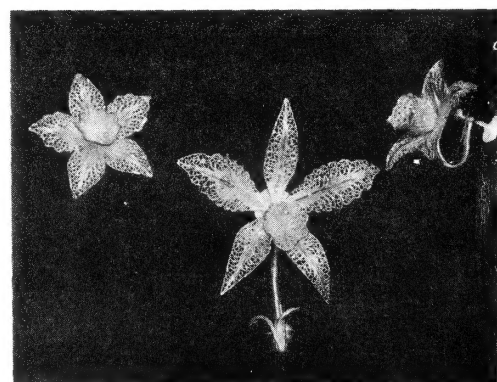
We still have a few of these, in all sizes, to offer. You will find them in the seedling folder enclosed. Don't miss this one--it's new!--different!--and it's lovely.

Elegant new jewelry--

ORCHIDS IN STERLING FILIGREE

--from the Patio Gift Shop!

Delicate & lacy designs, hand made in Portugal especially for you, these Silver Filigree Orchids are made to our own designs and everyone who sees them exclaims over their beauty and elegance. We got these in, just in time for our Miami Show and they sold well to Orchid Growers from all over the U.S.A. They are available in either sterling with a rhodium finish to inhibit tarnishing or in a gold wash if you prefer the golden color.



Orchid Pin - as shown above -about 2" across - delicate hand made filigree \$6.95 plus 70¢ Fed. tax. A total of \$7.65.

Orchid Earrings - shown above--each about 1" in diameter -delicate and lacy - light. The pair \$6.50 plus 65¢ Fed. tax. A total of \$7.15.

Pendant on Chain - not pictured above but the same elegant & lovely design as the pin and about ¾ as large (1½" across) - on a delicate sterling chain - \$4.50 plus 45¢ Fed. tax - A total of only \$4.95.

Every "Orchid Lady" should have a complete set of this exquisite jewelry!

BUILDING YOUR COLLECTION

How is the best way to build up a good orchid collection? This is a question that is asked often and it's a hard one to answer too!

There are many good ways to build your collection---just about as many as there are different kinds, sizes, and conditions of orchids & as many as there are different people with their diverging orchid interests & differing growing conditions for their orchids.

However--

WE DO TRY TO HELP YOU and all the facilities of the Fennell Orchid Co. and all of our experience from 75 years of orchid growing is yours for the asking! Write to us and let us make suggestions for you. We offer a free information service to all of our customers & we'll do our best in your behalf.

In addition to these informational services, we also offer a wide range of orchid plants to help you build your collection. Our "Orchid News" comes to you 4 times a year with listings of new & different orchids in every issue. We try to cater to as wide a range of collector interest as possible and are constantly on the search for rarity and quality in orchids to pass on to you.

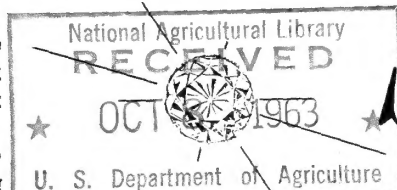
The News lists plants in as many different sizes and prices as possible too, whether you want large specimen plants to give you lots of "show" now or if you are a "do-it-yourselfer" who wants to start from scratch & produce your orchids from the beginning by your self, we've got just what you need! We even sell orchid seed!

And...if by chance you don't find just what you're looking for in the Orchid News, write us about it. The chances are we have a few of them, at least, and we'll be glad to make individual quotes on them for you!

ECONOMY IN ORCHIDS is a subject of prime concern with us too & you will find that you can build a fine orchid collection very economically indeed by taking advantage of our many special offers--our Special Collections are real bargains & have been very popular for years--dug-up seedlings and Pot-em-yourself kits are also unusually economical ways to buy fine orchids.

Announcing our

DIAMOND JUBILEE SALE



News'n Notes

A FREE GIFT FOR YOU--yes at last we've produced the extendible "hard cover" for the Orchid News! All you have to do is assemble your Orchid News in dated order & fasten them with the fasteners also inclosed in your envelope. We think it turned out right 'purty'--what do you think? We hope it will be a practical as well as a pretty way to keep your past and future News--Please use it so that all your News will be easily & conveniently at hand for reference whenever you need them. You will note the pages of the News, starting this year, are numbered consecutively from one issue to the next to make it easier to use. The Orchid Handbook pages are numbered separately so that you can set up a separate section for these in the back of the binder if you care to.

* * * * *

HOSPITAL AND BED-REST were the prescription for T. A. Fennell, Jr. late in May & his slipped disc is still keeping him there, though he is allowed up and around more each day & hopes to be back at work at least part time by the time you get this News.

* * * * *

NEW ORCHID SPECIALTIES from our Patio Gift Shop are described on page 17. The ladies, particularly, will be interested in both our New Full Color postcards and our very dainty and lovely perfumed Orchid Notes. Now even your correspondence can be orchidaceous!

OUR ANNUAL FALL SALE is always a particularly good time to stock up on plants at TRUE SAVINGS and this year it's a humdinger because we're celebrating! Don't miss the many extra fine bargains in our--

Yessiree--our Annual Fall Sale is now in full swing--it starts when you receive this issue of the Orchid News and it runs right on through to November 15th.

So sharpen up your pencil and turn to pages 13 to 16. LOOK AT THE BARGAINS!

--All sorts & kinds of orchids

--All sizes too

--And best of all--

They're priced to SAVE YOU MONEY!

This year of 1963 is an important milestone to us--it's our 75th year in the Wonderful World of Orchids and we want you to help us celebrate: Our LOW SALE PRICES are just one way to show you how much your business means to us and we think they're a good way to start out on the next 75 years ahead, too!

Despite the rising costs in all of our expenses you'll find that our Sale Prices this year are lower than ever so---

DON'T MISS OUT

ON THESE BIG BARGAINS!

Order soon and make sure that you get your first choices on the plants you want.

As usual we're offering an "Early Bird Bonus" for orders postmarked before Oct. 15--just another incentive to get your orders in early--if you do we'll send you a Surprise Bonus Plant absolutely FREE--it'll be something different from whatever you order & we feel sure you'll like the interesting orchids we've got set aside for your surprise. Remember the deadline for your Free Surprise Bonus plant is Oct. 15.

Four whole pages of Special Sale Offers

Turn to the

DIAMOND JUBILEE SALE

► Pages 13 to 16 ►

MATURE PLANTS TO BLOOM SOON ----

**BRASSO-CATTLEYAS—Bc**

BC. ELAINE. (C. Remy Chollet x Bc. Hartland) A massive, free flowering winter dark of top quality from proven parents.

1 lead	\$25.00
2 lead	\$35.00

BC. PERVENUSTA. (B. Digbyana x C. Fabia) Finest primary brasso we know. Large, bright lav-purple, immense frilly lip, chartreuse center. Blooms 2-4 times a year.

1 lead	\$25.00
2 lead	\$35.00
3 lead	\$45.00

BLC. DOROTHY FENNELL. (C. Trianaei var. 'Naranja' x Blc. Alfred Mollet) One of best Early American hybrids. Fine, large, of good form with frilly lips. Sturdy, dependable growers Fall and winter.

Small mature	\$20.00
1 lead	\$25.00
2 lead	\$35.00
Selected fine varieties	\$50.00

BLC. FLEUR DE LIS. (Lc. Helen Wilmer x Bc. Imperialis) Exceptionally fine shape & substance, good clear colors, med. to dark lav. with contrasting yellow & purple, large, ruffled lip.

1 lead	\$30.00
2 lead	\$45.00
Selected fine varieties	\$75.00

BLC. OJAI. (Bc. Pervenusta x Lc. Luminosa) One of largest & boldest yellow brassos—with impenetrable lip-flowers are heavy and full—color from cream-chartreuse to orange. Many with exotic pattern of rose veination overlying the yellow.

1 lead	\$35.00
2 lead	\$50.00

BLC. WAGNETTE. (Blc. Nanette x C. Mossiae Wagerii) One of the best Nanette crosses. Most are fine white or barely blushed. Large, full shape, heavy, well held & fragrant. Blooms 2-3 times a year. Plants very strong, good grower.

1 lead	\$30.00
2 lead	\$40.00
3 lead	\$50.00

**LAELIOCATTLEYA—Lc**

LC. BRUNO ALBERTS. (Lc. Florida 'Gold Star' x Lc. Canhamiana 'Alberts') A whopper, large & fine, heavy, dark, well held. Really spectacular. Spring. Plants very heavy & strong, tall.

1 lead	\$25.00
2 lead	\$35.00

LC. DAVIS ISLANDS. (Lc. Derrynane x Lc. Max J. Palm Jr.) These have been uniformly fine. Large, full, round, overall rich and deep color & with fine substance. Outstanding exhibition flws. for fall & winter. Robust and willing growers.

First sheath	\$20.00
Mature	\$25.00
2 lead	\$35.00

LC. EMMIE LIVINGSTON. (C. Clotho 'Rosea' x Lc. Miami 'Silver Bowl') Largest cattleyas we've ever bloomed were from this cross. One measured 11½" across. Lav. lip extra large, rich, bright purple. Winter and spring.

1 lead	\$25.00
2 lead	\$35.00

LC. SWANNEE RIVER. (Lc. Miami 'Louis IV' x Lc. Canhamiana 'Alberts') Large & lovely. Flower 7-8", 3-5 per stem. Spring. Heavy substance, fine, shape, very dark lavender. Plants some of strongest we have.

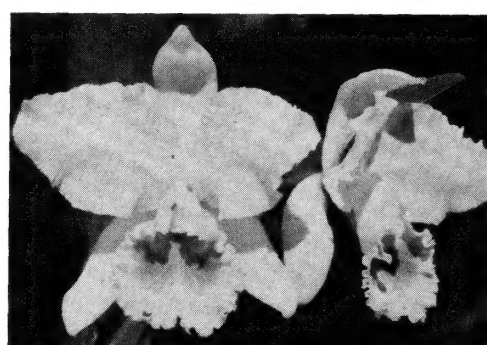
1st sheath	\$25.00
2 lead	\$35.00

LC. WAR HAWK. (Lc. Black Hawk x Lc. Waubesa) Medium size, 3-5 per stem, bloom 2-5 times a year. Most are dark reddish-lav., very heavy and long lasting. Gold or golden brown lip. Growinest plant in our place.

1 lead, small	\$12.50
2 lead	\$20.00
3-4 lead	\$25.00
Selected fine dark	\$35.00

LC. WILMOSA. (Lc. Helen Wilmer x Lc. Monmoss) Superb dark lavs. Exceptional flw. quality, large, finest shape and substance, brilliant, clear, dark colors. See color photo on front.

1 lead	\$30.00
2 lead	\$40.00
Selected fine varieties	\$75.00

**WHITE CATTLEYAS**

C. ST. PETERSBURG. (C. Clementine Goldfarb x C. Eucharis Alba) All around best white. 'Growinest-bloominest' white we know. Strongly marked golden yellow in lip. Bloom 2-5 times a year, 3-7 flowers per stem.

1 lead	\$30.00
2 lead	\$40.00
3 lead	\$50.00

C. SNOBALL. (C. Bob Betts x C. St. Petersburg) Fine new white. This has been our prediction and the first flws. on these have proven us right! With size, shape and substance from Bob Betts and the free-flowering, ever growing qualities of St. Petersburg, it couldn't help but be a winner. Only a few left.

1 lead	\$35.00
2 lead	\$50.00
Selected fine varieties	\$75.00 up

C. CATHERINE PATTERSON. (C. Enid Alba x C. Mrs. Fred Knollys) Exceptionally fine WPL. Flowers large, heavy, well held. Many are quite round, well-shaped. Bloom 2-3 times a year. Plants strong growers, branch freely.

1 lead	\$25.00
2 lead	\$35.00

LC. NANCY BERQUIST. (L. Purpurata 'Orchid Knoll' x C. Enid Alba Mildred) Flowers stunning and elegant, snow white S and P's with vividly brilliant, dark, royal purple throat and lip. Large & fine flws. Plants very handsome, tall, heavy, spotted and marked red on leaves.

1st sheath	\$25.00
2 lead	\$35.00

(C. LABIATA ALBA X LC. NEW YORK ALBA) Regal elegance. Glistening snow white S & Ps with richly contrasting deep crimson purple lip. Flws. of fine form with broad segments & heavy substance should make a combination hard to beat. Sturdy young plants that are active and willing growers.

Should bloom within year	\$15.00
1 lead, small	\$20.00
Mature	\$25.00
2 lead	\$35.00

UNUSUAL AND RARE

CATTLEYAS

Photo of Bifoliate Collection on outside back cover shows this type of orchid.

C.AUDREY SCHUBERT. (C.Loddegesii x C.Annie J. Lines) 4 1/2" flws. 4 to 8 on a stem, in rich colors from deep pastel pink to dark rosy purple, waxy & long lasting. Vigorous. A joy to behold! Winter.

Small, mature \$15.00
Larger \$20.00
2 lead \$25.00
Selected darks \$25.00 & \$35.00

C.FORBESII. Miniature plants, blooming at 6-8" tall. 3" flws. greenish-tan, waxy S & Ps, lip white, heavily veined inside with orange. Very rare and showy.

To bloom within year \$ 8.50
Small, mature \$12.50
Larger \$17.50

C.PITTIANA (C.Dowiana x C.Granulosa) Charming and distinctive. Form and color are different & fascinating. Lip is spade-shaped. Colors: yellow, bronze and brown to deep mahogany, with crimson lip. 2 to 8 per stem, 4 1/2-5", summer & fall. Plants newly potted, rooting well, naturally tall & slender. (see color photo on back)

Small 3 bulb front division \$15.00
Mature 1 lead \$25.00
Extra large 1 lead \$30.00
Extra large 2 lead \$35.00

C.WAVRINIANA. (C. Granulosa x C.Gigas) An elegant & tailored flw. Colors in the reddish lav., copper & rose tones. Lip is crimson, spade-shaped type. Flws. 5-6", 3-8 per stem. Tall, slender plants. Summer.

Small blooming size div. \$20.00
1 lead mature \$25.00
2 lead mature \$35.00

BLC.PINK STAR. (Bc.Daffodil x Lc.) Kenosha) Petite & lovely. Flws. 2 to 6 per stem, fresh and crisp, long-lasting. Cream to yellow & orange. Some have bright purple lip. Spring. Plants medium size, strong grower. Branch freely, bloom all over pot. One of finest pot plants we have. Awarded a Judges' Commendation by the American Orchid Society.

1 lead \$17.50
2 lead \$25.00
3 lead \$30.00

(LC.RED OAK X C.BOWRINGIANA). One of the finest hybrids we've seen. Flws. 4-6", 4-8 or 10 per stem. Very dark and bright. Shape full, often overlapping. Long lasting. Plants tall and robust, large leaved.

1 lead \$20.00
2 lead \$30.00
3 lead \$40.00

FENNELL'S CATTLEYA-A-MONTH CLUB

For years now we've run an Orchid-of-The-Month Club and it has been very popular. Now, because of a great many requests, we are also offering this Cattleya-A-Month Selection made up of a wide range of fine and unusual cattleyas to give you almost continuous year-around blooms--all cattleyas. Some are large & magnificent hybrids--some are exotic bronzes & yellows, others are rare & unusual cluster types. These plants can be bought individually or in groups. If you buy any grouping of 3 months in a row, as shown here, at one time, we give you the dividend plant shown at the end of the row. If you buy all 12 monthly selections, then we give you the regular 4 dividends as shown PLUS an extra special dividend. In other words for the price of 3 plants we send you 4--for the price of 12 plants we send you 17! This Cattleya-A-Month Club is a wonderful way to buy rare & fine cattleyas at a minimum cost! Look over this list--these are gorgeous orchids you'll be proud to add to your collection--large frilly Brasso-cattleyas--large and fancy Laelio-Cattleyas--the new & so popular bifoliate. Some will bloom more than once a year & if any one may not bloom exactly the month of it's selection, the group as a whole should pretty well cover the year with gorgeous bloom!

January	February	March	Dividend
C.AUDREY SCHUBERT rose-lavender bifoliate \$20.00	BLC. OJAI huge frilly yellows \$35.00	C.MAXIMA X C.SKINNERII many-flowered clusters \$15.00	BLC.PINK STAR free branching pot plant \$17.50
April	May	June	Dividend
LC.SWANNEE RIVER huge dark \$25.00	LC.CANHAMIANA ALBA floriferous white/purple lip \$15.00	C.WAVRINIANA bifoliate copper-rose \$25.00	PURE WHITE HYBRID \$20.00
July	August	September	Dividend
C.PITTIANA see color photo on back cover \$25.00	LC.JUNGLE GOLD see color photo on back cover \$15.00	LC.RED OAK X C.BOWRINGIANA large, dark, cluster \$20.00	WHITE with PURPLE LIP HYBRID \$15.00
October	November	December	Dividend
LC.DAVIS ISLAND fine, large, dark \$25.00	LC.AUTUMN YELLOW X C.ADMIRATION unusual copper to rose \$25.00	BC. ORPHEUS pearl white rarity \$20.00	C.IRIS X C.GUTTATA floriferous bronze \$15.00

EXTRA SPECIAL DIVIDEND- If you buy the entire group of 12 plants at one time the price is \$265.00 & we will include, in addition to the 4 regular dividend plants valued at \$65.00 an Extra Special Dividend of a fine, 2 lead, mature plant of Lc.Emmie Livingston (a huge dark lavender) valued at \$35.00.

In all you will receive 17 fine mature plants - a total value of \$365.00 for the price of the 12 monthly selections - only \$265.00

-THIS IS A TERRIFIC VALUE-

-YOU SAVE \$100.00-

on these high quality plants
if you buy them all at one time!

These collections are priced FOB Homestead, Fla.

JUNIOR CATTLEYA-A-MONTH COLLECTION

This collection is made up of a wide variety & rare cattleya hybrids to give year around bloom much like the one above but instead of mature plants these are more than half-grown seedlings to bloom in 1 to 2 years. We will select them for you, our choice, of 17 different hybrids--Brassos, Lc. & cattleyas, lavenders, purples, yellows, bronzes & whites, large ones, and bifoliate--a fine mixed group of our latest and best stock and you get all 17 for the price of 12 - a 30% SAVING! These are strong, husky seedlings in 3 & 4" pots--each 8 to 10" tall--some are even larger. They sell individually at prices from \$8.50 to \$12.50 each, yet we are pricing them all at \$8.50 for this collection--17 fine hybrids valued at more than \$144.50 for the Special Collection Price of only \$102.00.

CULTURAL NOTESCARE OF SEEDLINGS FROM FLASKS.

The culture of seedlings fresh out of flasks is essentially the same as your regular care of other orchids--just a little more so! In the old days, seedlings taken out of flasks were so small & delicate that they could not be recommended for any but the most experienced growers. Nowadays, with our new flask formulas & modern methods of growing transplanted flasks until seedlings are much larger and stronger almost anyone with a little patience & attention to details can do a good job with flask seedlings.

Our flasks now run about 1/4 plants 2" to 3" tall -- 1/4 plants 1" to 1 1/2" tall and 1/2 plants from 1/2" to 1". (see pictures on page #5) These are, for the most part, broad-leaved and heavy plants that stand up well in the world outside the flasks and have little or no shock from this transplanting. The large & medium sizes are large enough to plant out into individual thumb-pots (1 3/4" to 3" pots) or the medium ones can be put into community pots with the smaller ones if you prefer.

When taking the plants out of the bottle the safest way is to use a long wire with a hook on the end to break up the jelly under the plants--then carefully fish out gobs of jelly and plants small enough to come out thru the neck of the bottle without crushing the leaves. Sometimes after breaking up the jelly, you can simply wash the plants out with tap water (tepid - not cold or hot) by filling the bottle, shaking gently & then carefully & slowly pouring them out, repeating the process until all plants are out.

Once the plants are out, wash them gently in a bowl of water--taking care to untangle the roots and separate them as you go and be sure to wash all of the jelly off the roots (if left on, fungus will immediately attack the jelly and may overwhelm the plant too.) Sorting by size onto newspaper or paper toweling as you take them out of the bowl will simplify your next job - potting.

POTTING. We usually pot-up all plants more than 1 1/2" tall in individual pots--1 3/4" or 2 1/2" sizes. We prefer to pot these in soft osunda but tree fern, bark or pumice can be used if careful attention is given to watering & feeding.

The smaller sizes go into community pots (3" or larger) which are prepared ahead of time. We fill the pot about 1/2 to 2/3 full of crock, charcoal or large bark & then add a fine textured community pot mix

that will hold some water, to fill the pot to the rim. There are many good mixes used--we like a mix of fine pine bark, chicken grit and a little peat moss. After the pots are filled we soak them in fertilizer water right up to the rim, & then allow them to drain a few minutes before starting to pot.

We try to space the plants about 1/2 to 3/4" apart in all directions according to their sizes and planting is done very easily: A pencil or a large nail makes a good tool to punch holes down into the mix. We punch a hole--then using the same instrument we poke & pry the roots down into the hole until the base of plant is just at, or slightly below, the surface. (Roots that are too long may be shortened but not more than necessary.) Then we tamp the material gently in around the base using the other end of pencil or nail. Then we go on to the next plant--spacing evenly and repeating the process until the pot is full. Your first pots may look a little sloppy but with a little practice you'll do much better and truthfully the plants can't notice a little sloppiness or unevenness.

CULTURE AFTER POTTING.

Actually much the same as for older plants but more constant:

WATER: Pots and potting material should be kept just barely damp--watch closely and water lightly as often as necessary.

HUMIDITY: Keep in a sheltered place without too much draft or drying winds. If your home is exceptionally dry, seedling pots can be kept inside a large fish bowl, aquarium, etc. If you are using the cake pan method of growing, seedling pots can be fitted in between your other larger pots and this crowded condition often supplies enough humidity. If your seedlings seem to be drying out and many leaves show wrinkling, then the humidity is not enough. Plastic vegetable bags from the groceries can be fitted down over the seedling, pot & all, like a tent with the bottom left open. This will hold in humidity & stop drying-out of the plants.

FOOD: Should be regular--at least once a week and it is more important at this stage than any other in the plants life. We use Fenorco Plant Food at regular strength - 1 teaspoon per gallon of water.

SUN: Not as much is needed for small seedlings. 2 or 3 hours of early morning or late afternoon sun is enough for the first few months. Then gradually increase to normal sun conditions for that type of orchid by end of first year in individual pot. Community pots can

stand almost as much sun as the smaller individuals.

TEMPERATURE: 65 to 80 degrees Fahrenheit is best for most seedlings and a steady temperature about 75 degrees is ideal. Seedlings cannot stand the extremes that the other plants can and should be protected whenever possible.

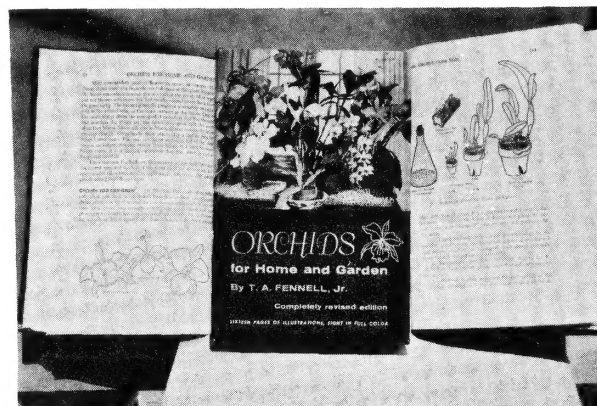
DAMP OFF OR FUNGUS ROT occurs in seedlings that are kept too wet or when the humidity and temperature are too high. Tersan or any of the Thiram fungicides are best for these problems & can be used regularly if any fungus troubles develop.

Now available--

FENNELL'S COMMUNITY POT MIX

This is the mix we use most successfully on our community pots. For those of our customers who do not have their own favorite mix, or who do not want to trouble with making up one, we are now packaging this mix in small boxes (enough for a dozen or so pots) and a larger hobby box (for 50 to 75 pots.)

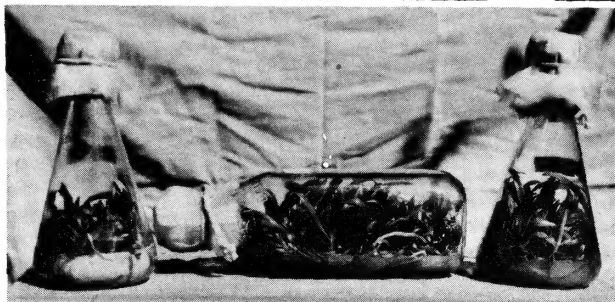
Small box \$2.00 postpaid in USA
Hobby box \$3.95 postpaid in USA



"ORCHIDS FOR HOME AND GARDEN" is a really good beginner's book. You don't have to know anything about orchids to learn from this book--it starts from scratch & uses simple English with no fancy technical terms. It is the first orchid book giving you really simple instructions for growing orchids in the home and also the first that covers the use of orchids as garden plants in the tropics and subtropics. There are chapters on all phases of orchid culture; starting your own collection and how to buy orchids, raising orchids from seed, making your own arrangements & corsages, landscaping your garden, lath-houses & greenhouses, etc. It is profusely illustrated with drawings by the author and with 8 pages of color & 8 pages of black and white photographs. \$3.95 postpaid



Our '63 crop of flasks is magnificent! Working with new formulae and transplanting from bottle to bottle, we've produced the most beautiful flasks we've ever had - indeed the best we've ever seen anywhere! These are husky, vigorous plants, broad leaved and heavy. They stand up by themselves when potted & grow right on without setback. These FLASK PLANTS are BIGGER and BETTER and STRONGER than most community pot plants!



TRANSPLANTED FLASKS AND BOTTLES

These seedlings are the size of those pictured to the right above. Each flask will average about 1/4 large plants, 1/4 medium and 1/2 small sizes. The large and medium plants can be potted directly into individual pots now. The small ones will do best in communities. These will be shipped to you either; Out of flask, bare-root in polyethylene bags by Air Parcel Postpaid in U.S.A.

Or: In the flask by Express Collect or Air Freight Collect, if you prefer.



DUG-UP SEEDLINGS

For those of you who do not need a whole bottle of one cross we are offering these same fine new crosses as bare-root "dug-ups" shipped to you in polyethylene bags by Air Parcel Post. The sizes available are shown above - any variation from these general sizes is noted below. Please allow a few weeks for shipping time as we will open bottles only when several orders for each cross have accumulated. Large & med. sizes ready for individual pots - small ones, community pots. Orders of \$15.00 or more postpaid in USA. Add \$1.50 on orders under \$15.00.

ANNIVERSARY

SALE PRICE

ON FLASKS

\$22.95 -

#1388-Epidendrum Ciliare x C. Kathleen. The white & green frilled lip Ciliare crossed with the medium sized, heavy, pure white bifoliate. Qt. bottles with 100-150 strong plants 1/2 to 2" tall. Regularly \$25.00

\$39.95 -

\$19.95 -

#1455-Blc. Sanford x Blc. Marion Ryerson. Two very fine dark, heavy, Brassos used here. These should be large & gorgeous.

Quart bottles with 100-150 strong plants 1/2 to 2" tall. Reg. \$50.00.

Quart bottles with 40-60 strong plants 1/2 to 2" tall. Reg. \$25.00.

\$39.95 -

\$19.95 -

#1471-C. Henrietta Japhet x C. Bob Betts. Makes a fine medium sized round pure white of heavy substance. Free flowering. New-popular.

Quart bottles with 60-100 large strong plants 3/4-3". Reg. \$50.00.

500 cc flasks with 30-50 large strong plants 3/4-3". Reg. \$25.00.

\$39.95 -

\$24.95 -

#1473-C. Bow Bells 'Honolulu' x C. Snoball. This should make an extraordinarily good large white. Snoball is heavy, round & blooms several times yearly & Bow Bells 'Honolulu' is a very fine white.

Quart bottles with 100-150 strong plants 1/2 to 2" tall. Reg. \$50.00.

Quart bottles with 50-75 strong plants 1/2 to 2" tall. Reg. \$30.00.

\$27.95 -

#1549-L. Coronet (pure deep orange) x C. Forbesii Aurea. Should produce some beautiful yellow & green, medium sized, flowers on small plants.

Quart bottles with 150 strong plants 1/2 to 2" tall. Reg. \$35.00.

\$22.95 -

#1578-C. Pittiana x Lc. Davis Islands. This should be the best dark bronze or plum colored cattleya yet. Some will have spade lips, all should be large with very heavy substance.

Quart bottles with 100 or so strong plants 1/2 to 2". Reg. \$25.00.

\$27.95 -

#1583-Lc. Davis Islands x C. Isabel Sander. Two very large, fine darks used here. Should bloom several times yearly.

Quart bottles with 100 or so strong plants 1/2 to 2 1/2". Reg. \$35.00.

\$27.95 -

#1666-Dendrobium American Beauty x D. Lady Faye) x Dend. Phalaenopsis 'Celle'. This is a cross of the very finest D. Phalaenopsis on the finest, darkest D. Phal. type hybrid we have. Flowers of both parents over 2 1/2" wide, very dark brilliant purple.

Quart bottles with 75-100 strong plants 1-3" tall. Reg. \$35.00.

\$29.95 -

\$49.95 -

#1707-C. Trianae 'Trudy Fennell' (triploid) x C. Trianae 'Carol Fennell' (triploid). This should make the best colored trianae yet. Both parents very fine large flowers, hold themselves well & flower freely.

500 cc flasks with 35-50 strong plants 3/4-2" tall. Reg. \$35.00.

Quart bottles with 100-150 strong plants 3/4-2" tall. Reg. \$65.00.

DUG-UP SEEDLINGS

Lg. - 1 1/2-2" - 3 for \$3.49

Med. - 1-1 1/4" - 3 for 2.98

Small - 1/2-3/4"-12 for 2.49

Lg. - 1 1/2-2" - 3 for \$4.49

Med. - 1-1 1/4" - 3 for 3.49

Small - 1/2-3/4"-12 for 2.98

Lg. - 2-3" - 3 for \$4.49

Med. - 1-2" - 3 for 3.79

Small - 3/4-1"-12 for 2.98

Lg. - 1 1/2-2" - 3 for \$4.49

Med. - 1-1 1/4" - 3 for 3.49

Small - 1/2-3/4"-12 for 2.98

Lg. - 1 1/2-2" - 3 for \$4.49

Med. - 1-1 1/4" - 3 for 3.49

Small - 1/2-3/4"-12 for 2.98

Lg. - 1 1/2-2" - 3 for \$3.49

Med. - 1-1 1/4" - 3 for 2.98

Small - 1/2-3/4"-12 for 2.49

Lg. - 1 1/2-2" - 3 for \$3.49

Med. - 1-1 1/4" - 3 for 2.98

Small - 1/2-3/4"-12 for 2.49

Lg. - 2-3" - 3 for \$3.98

Med. - 1-2" - 3 for 3.49

Small - 1/2-3/4"-12 for 2.98

Lg. - 1 1/2-2" - 3 for \$4.49

Med. - 1-1 1/4" - 3 for 3.98

Small - 1/2-3/4"-12 for 3.98



— POT 'EM YOURSELF SPECIALS — MATURE DIVISIONS

Prices FOB Homestead, Fla.
(see order blank for shipping)

* * * * *

LAVENDER HYBRIDS

Correctly labelled--good average orchids of large flowered types.

One lead \$6.98
Two lead 9.98

FANCY LAVENDER-PURPLES

Larger & fancier flowers--many are the latest Laelio-Cattleyas, dark lavender to purple with deep crimson purple lips. These will add quality to any collection. Correctly labelled.

One lead \$11.98
Two lead 17.98

LAVENDER-PURPLE BIFOLIATES

Medium sized flowers in clusters--strong growing plants--very heavy producers--all correctly labelled.

One lead \$7.98
Two lead 12.98

KIT INCLUDES: A strong front division of our regular cattleya plants--at least 3 bulbs with leaves. PLUS: Pine bark to pot it, two pot clips & a clip-on stake with complete instructions--everything you need except the pot!

* * * * *

PURE WHITES

* Strong growing, heavy blooming, often bloom more than once a year. white sepals & petals with yellow throat. Large-flowered hybrids all correctly labelled.

One lead \$12.98
Two lead 18.98

UNLABELLED CATTLEYSAS

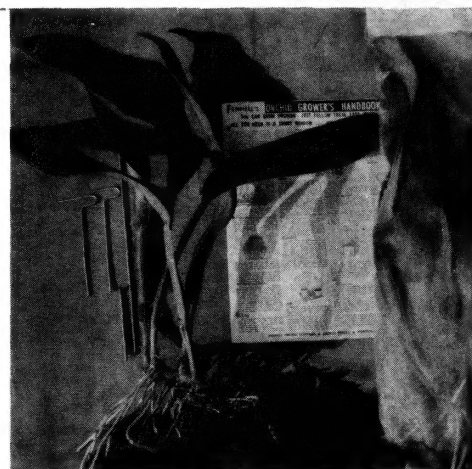
These are regular large-flowered cattleyas from our regular stock from which the labels have been lost. A terrific buy at -

One lead \$5.98
Two lead 8.98

UNLABELLED BIFOLIATES

These are cluster type cattleyas with medium sized flowers in a variety of colors & seasons but with labels lost.

One lead \$5.98
Two lead 8.98



WHITE WITH PURPLE LIPS

Many people consider these the showiest of all cattleyas--most have dark purple or crimson lip which contrasts very dramatically with the white sepals & petals. All correctly labelled.

One lead \$8.98
Two lead 14.98

BRONZE BIFOLIATES

Medium large flowers in clusters. Colors mostly bronze but range from yellow to mahogany and even wine-reds. Very exotic and scarce.

One lead \$14.98
Two lead 19.98

POT'EM YOURSELF COLLECTIONS

#1-One each of the 8 fine cattleyas above, all one lead plants--a total value of \$74.84 for the Special Fall Sale Price of only \$49.95

#2-One each of the 8 fine 2 lead plants above--A total value of \$111.84 for the Very Special Fall Sale Price of only \$79.95

Seedling "DUG-UPS"

for you to pot. These are fine, vigorous plants from our community trays, from beds, and a few from individual pots, which need potting-on now into larger pots. Orders of \$15.00 or more postpaid in the U.S.A. until Nov. 15, 1963. For orders less than \$15.00, add \$1.50 for postage and handling.

ANGRAECUM VEITCHII. One of the most stunning & dramatic orchids--large greenish white star-shaped flowers with pendant tails--heavy, waxy, long lasting blooms. Winter-spring. Very rare. 5-7" tall \$2.49
8-9" tall 3.98

(LC. BLACK HAWK X C. GIGAS)

X C. LODDEGESII.

A fine bifoliate which should produce many, heavy, medium sized flowers of bright dark purple in the spring. Very fast & sturdy growth. 2-2½" tall \$1.49

C. LODDEGESII X SCHOMBURGKIA CRISPA.

We expect an exceptional Schomburgkia from this cross, producing full heads of bronzy to plum-purple flowers with a waxy sheen. Very heavy & sturdy growth habit. Spring. 2-2½" tall \$1.79
3-5" tall 2.98

CYMBIDIUM FINDLAYSONIANUM

X GRAMMATOPHYLLUM MEASUREANUM.

A very rare bigeneric hybrid that should produce hundreds of 3" flowers on stems several feet tall. Green or yellow barred or spotted with purplish red. Large husky plants. 12-18" tall \$4.98

(D. AMERICAN BEAUTY X D. LADY FAY)

X D. PHAL. CELLE FCC RHS.

Two of the largest, roundest and darkest D. Phalaenopsis types we know crossed to produce extra free-flowering hybrids of this fine fall bloomer. 2-4" tall \$1.98

PHALAENOPSIS DENISE RICHARDSON.

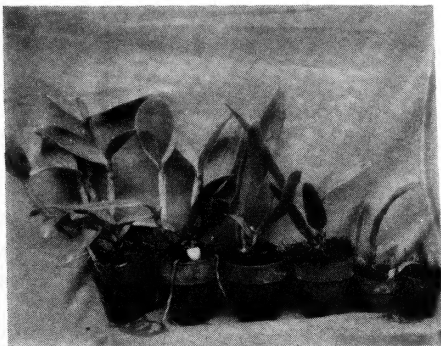
A remake of a previous cross which should prove even better than the original--long sprays of heavy and well shaped flowers from bluish-white to pink. Very compact, broad-leaved plants. Largest may bloom this winter and spring.

2-3" across \$1.79
4-5" across 2.98
6-8" across 4.98

POT'EM YOURSELF SEEDLING COLLECTION

One each of the six fine hybrids above - larger sizes where there is a choice - a total value of \$20.39 for the Fall Sale Price of only \$14.98

10% Discount
on orders of 6
or more of these seedlings
-Your choice-



Seedlings in Pots

These are large, husky, seedlings that show vigorous growth--almost doubling on each one. Many of the larger ones will bloom on their next growth. Now in 2" and 3" pots--some are ready for 4" & 5" now. These are high in quality--both flower & plant. We think they are the finest seedlings we've ever offered and these Fall Sale Prices are terrific bargains too!

Prices F.O.B. Homestead, Fla.

YELLOWS

BC.DAFFODIL. This is a remake of our most popular hybrid--plant is compact and short in habit--blooms when only about 8" tall, flowers are golden yellow all over--very waxy and long lasting--about 3" in diameter. Mature plants sell regularly at \$35.00.

3" pots 4-6" tall \$4.95
3" pots 7-8" tall 8.95

LC.JUNGLE GOLD.

(Lc. Golden Madonna x C. Forbesii)

See color picture on outside back cover of folder. This has been by far the finest Forbesii hybrid we've ever seen. About 4" across, of good shape, heavy substance, long-lasting, in clusters of 3 and 4 on small seedlings. Will be larger and produce full clusters when full grown. Color is greenish or yellow with extremely attractive pattern of rust or red veination overall & heavier in the throat & lip.

3" pots 3-5" tall \$3.95
3" pots 7-9" tall 7.95

C.PITTIANA X C.CLARIS. Medium-large flowers in clusters--a secondary bifoliate of the type which is producing such fine and exotically unusual hybrids these days. Color varies from yellow to bronze and occasional plums -- a few have bloomed already & caused much comment.

2" pots 3-4" tall \$2.95
3" pots 6-8" tall 4.95

* * * * *

PHALAENOPSIS

P.DENISE RICHARDSON. A remake of a previous cross which should prove even better than the original. Long sprays of heavy and well shaped flowers from blush white to pink. Very compact, broad leaved plants.

3" pots 3-4" across \$2.95
3" pots 5-6" across 4.49
4" pots 6-8" across 6.95

LAVENDER PURPLES

(LC. BLACK HAWK X C. GIGAS)

X C. LODDEGESII.

We expect fine clusters of heavy, medium sized flowers in brilliant color tones from this fast-growing & vigorous hybrid. Our stud Loddegessii is exceptional & should produce extra fine progeny.

2" pots 3-4" tall \$1.95
3" pots 5-6" tall 3.95

LC. DIANE GOODE. (Lc. Mem. Daniel Caswell x C. Loddegessii). A few of these have bloomed and have been very good. Clusters of 4½-5" flws. of full shape, heavy with a waxy sheen and bright colors from rosy to plum. Slender, willing growers.

2" pots 2-3" tall \$2.95
3" pots 5-7" tall 5.95

* * * * *

SCHOMBO-CATTLEYAS

This new line of breeding is proving to be extremely popular. These plants are fast growing, freely branching & very floriferous. Flowers are produced in heads or clusters at the top of 12" to 30" stems--up to 20 per cluster & each flower from 3 to 4" across, in unusual colors & lacy or fluted shapes.

SCHOMBURGKIA CRISPA X C. LODDEGESII

We expect large, full heads of waxy flowers in bronze to plum colors. Heavy, sturdy plants.

2" pots 2-3" tall \$1.95
2" pots 4-5" tall 3.95

SCHOMBO-CATTLEYA TRUDY FENNELL.

We like this one so much we named it for one of the family. Flowers 3-4" across of yellow with bronze suffusion and an intense crimson purple lip. This cross of S. Thomsoniana x C. Granulosa is a semi-dwarf - blooms when only 8" tall.

2" pots 3-4" tall \$2.95
3" pots 5-6" tall 4.95
3" pots 7-8" tall 8.95

NOVELTY BIGENERICS

Completely new lines of breeding are now being explored among the botanical spray & cluster types of orchids & some extremely charming & popular new orchids are the result. All four listed below have a fine potential & we're looking forward to blooming them.

BRASSIDIUM

BRASSIA BRACEATA X ONC. GOLDIANA.

Arching sprays of gold & red flowers precisely spaced, with long narrow S & P's in an open star shape should be the result here. Other Brassidiids have been winning awards & we have hope for this one!

2" pots 1½-2" tall \$1.95
2" pots 2-2½" tall 2.95

EPI-DIACRIUM

EPID. ALATUM MAJUS

X DIACRIUM BICORNUTUM.

Some of these have bloomed & they are charming. Flowers are a soft blush pink with a faint rose veination. Plants stocky and compact--should bloom within next year. All are branched--several leads.

2½" pots 5-7" tall \$6.95
4" pots 8-10" tall 9.95

CYMBIDIUM FINDLAYSONIANUM

X GRAMMATOPHYLLUM MEASUREANUM.

A very rare bigeneric hybrid that should produce hundreds of 3" flowers on stems several feet tall--green or yellow barred or spotted with purplish-red. Large, husky plants about ½ grown. Warm growing.

4" pots 12-18" tall \$4.95
6" pots 24-30" tall 9.95

EPI-CATTLEYA

EPID. ALATUM 'MAJUS' X LC. WARHAWK.

Exceptionally fine novelty--erect stems of 6 to 20 flowers; each about 3" across. Colors from yellow through bronze-reds to rich plum purples. May bloom several times a year. Fast growing.

2-3" pots 5-7" tall \$3.95
heavier 8-10" tall 6.95

FALL SALE COLLECTIONS

#1-One each of the smaller sizes of the 12 fine seedlings above--a total value of \$42.40 for the Special Anniversary Sale Price of only...\$27.95

#2-One each of the larger sizes of the 12 fine seedlings above--a total value of \$80.40 for the Special Anniversary Sale Price of only...\$59.95



MATURE PLANTS TO BLOOM SOON --Terrestrials

AERIDES LAWRENCIAE. One of the easiest to grow & freest flowering of this fascinating group of vanda-ceaus plants. Flowers are perfect little "elephant heads" produced profusely on long arching stems in the spring--fragrant. Cream colored with markings of amethyst & green on tips. A good house plant needing lots of water and food but not too much light. Newly collected plants--small, mature--should bloom next spring. \$6.95

Larger established plants -
\$12.50 to \$25.00

BROUGHTONIA SANGUINEA. An all-time favorite! This small, compact growing plant produces lovely reddish-lavender flowers in clusters on long sprays for months on end in spring & summer. Flowers look like small Brasso-cattleyas about 1½ to 2" across. These plants must have perfect drainage and do best when mounted on bark as these are small mature plants newly collected and well rooted, on sale - only \$4.95. Larger, well established plants - \$8.95, \$12.95

DENDROBIUM LADY HAY. This hybrid between Lady Fay and Lady Hamilton combines bloodlines of the two best known in the 'Phalaenopsis' group. Flowers are round and full, long-lasting and the color varies from dark, rich, lavender-purple to deep brilliant magenta-purple tones. Now in 2½" & 3" pots--from 8 to 10" tall. Most can be expected to bloom this fall.

On Sale Only \$6.95 - \$8.95

DENDROBIUM SUPERBUM 'GIGANTEUM'.

One of the largest flowers in the Dendrobium family. These plants bloom heavily in the spring--are very sweetly scented and also probably the easiest of all Dendrobiums to grow--thrive on lots of water, food & sun but must be dried out severely in fall (Oct. to Jan.) for heaviest bloom. Do best in pot in the house--better mounted on bark for greenhouse or out-door culture. We have a fine batch of newly collected ones--both potted and mounted. Small mature plants to bloom this spring.

On Sale only \$4.95

Larger, established plants
\$12.95 to \$34.95

PHOLIDOTA IMBRICATA. A charming and unusual orchid that is very easy to grow. A handsome plant with lush and heavy dark green foliage. The flower stems arch out above foliage and the many tiny cream/pink flowers are borne in double rows on tightly packed pendant racemes which look something like rattlesnake rattles--hence the common name "Rattlesnake Orchid". A real conversation piece and a fine buy for these handsome husky plants at the Special Sale Price of only \$4.98. Larger specimens \$7.95 and \$12.95

STANHOPEA BUCEPHALUS. These "dragon orchids" with their pendant stems of large & showy flowers should be in every orchid collection. They are highly fragrant & the very unusual shape & stunning color combination of cream, yellow, & mahogany-red make them among the most exotic of all orchids. Since flowers are pendant from the roots, mature plants must be potted in hanging baskets for freedom of blooming. We have seedlings more than half grown - ready for baskets now - in 4 & 5" pots \$7.95. In baskets, almost mature \$11.95

STANHOPEA PULLA is very rare and we have never seen it bloom. It is said to be a smaller flower, more to the stem & cream colored with a very dark (almost black) color pattern towards center of the flower. These seedlings, raised from an imported seed pod, are almost ready to bloom. In 4-5" pots, ready for baskets now \$7.95. In baskets, almost mature \$11.95

TRICHOGLOTTIS ROSEA. This is a rare one, new to us. Plant is slender and vine-like, eventually gets about 2' long and naturally is pendant in habit. Leaves are dark glossy-green with reddish cast if grown in bright sun. Flowers are dime-sized, 6 to 8 on a stem. Yellow and white with a red lip and fragrant. Blooms several times a year--mostly in spring--lasts well. Newly collected, rooting well.

In 3" pots 6-8" tall \$6.95

PRICES ON THIS PAGE
FOB Homestead, Fla.

Orchids that grow in soil are seldom seen in collections, yet many of them are very snowy and decorative. The group listed here are especially chosen for you--are easy to grow and will give you lots of flowers. These are single plants of small blooming size--just potted this summer & should bloom within the year. If you don't already have these plants, you should!

Order now at Sale Prices and SAVE!

BLETIA PATULA. Large, heavy bulbs with tall ribbed leaves. 2½-3" flowers like cattleyas in dark lavender with a white pleated lip on tall erect sprays. Winter & spring. 5" pots \$4.95

CALANTHE HYBRIDS. Mostly white with red or rose lip. Some blush pinks. 2-3" blooms are very showy on tall arching sprays in winter-spring while the large silver bulbs are leafless. This is one of our favorite orchids & much too rare in recent years. 5-6" pots \$7.95

CYMBIDIUM FINDLAYSONIANUM

X GRAMMATOPHYLLUM MEASUREANUM

A large and lush plant with tall glossy evergreen leaves. Very handsome in itself. Unbloomed as yet, it should produce stems 3' to 5' tall with 3" flowers in the greenish to yellow colors--probably will be spotted and striped with reddish-brown. Almost mature plants in

5-6" pots \$7.95

PHAIUS GRAVESIAE. 4 to 5" flowers of golden-brown & white with rose colored lip in full heads on erect stems up to 5' tall. These are small divisions; they may bloom this spring--may wait until next spring. Husky and fast growing, they want lots of food & constant water in a saucer under the pot. More or less evergreen. A terrific buy in

5-6" pots at \$4.95

SPHATHOGLOTTIS HYBRIDS.

in compact clusters with tall, slender, leaves & erect bloom stems with clusters of flowers at the tips for 2 to 3 months at a time, about 2" across. Most are pink-rose or salmon colored. Small mature plants in - 3-4" pots \$6.95

BOTANICAL COLLECTION

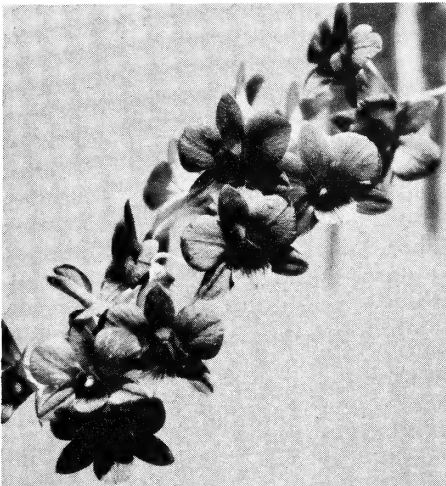
One each of the small sizes of the eight plants listed above--a fine group to add diversity and interest to your orchids. A total value of \$51.60 for the Extra Special Anniversary Sale Price of only \$37.95

TERRESTRIAL COLLECTION

Five fine and showy terrestrials--small blooming size--a value of \$32.75 - PLUS A FREE BONUS PLANT - of a terrestrial Rainbow Hybrid Epidendrum for the Special Anniversary Sale Price of only \$24.95



BLETIA PATULA



DENDROBIUM LADY HAY



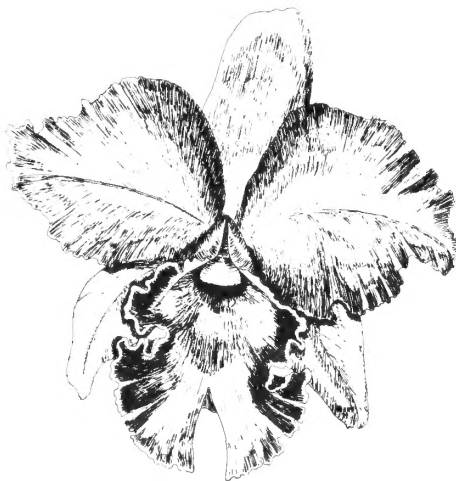
DENDROBIUM SUPERBUM "GIGANTEUM"



PHAIUS GRAVESIAE

HERE'S A RARE ONE!

We have just received a limited number of the extremely rare Dendrobium Lyonsii from the jungle as we go to press. This is a most unusual Dendrob that produces lots of long-lasting flowers, each about 2½" across, on lateral sprays from the base of the short squatty bulbs--color varies from cream to rust. Plants are small & look like a heavy-bulbed form of Laelia anceps. These have lost most of their leaves and consist of from 3 to 6 short heavy bulbs in a cluster. They were admitted without fumigation so should grow well. Offered for sale, bare-root, in "just-from-the-jungle" condition for only \$3.79 postpaid in U.S.A. Hurry! They won't last long at this price!



Dainty
ORCHID NOTES

deliciously scented! Just created, especially for us by Carroll Cards, these lovely & delicately designed notes from their "Aristocrat" line come twelve to a box with matching envelopes. Printed in a true to life orchid color and scented with our own orchid perfume just for you---\$1.25 (add 50¢ for postage & handling) Wonderful for gifts-- These cards are just perfect for casual gifts, bridge prizes & favors. Order them 12 boxes at a time (\$15.00) and we'll pay the postage!

ORCHID POST CARDS

---in full color

Five different cards, a wide range of rare and beautiful orchids: Lc. Wilmosa (lg. dark), Lc. Autumn Yellow, C. Gigas on a tree at the Orchid Jungle, a group of lovely Vandas & a grouping of unusual bifoliate Cattleyas. Sold only in packs of 20, 4 of each. Postpaid in U.S.A. for only 98¢

FOR THE REAL COLLECTOR---

An indispensable reference book!

OUTLINE OF THE ORCHIDACEAE
and its Nomenclature

by Henry E. Brown, Jr.

Based on Schlechter's Arrangement and related pertinent information from many sources.

CONSISTS OF:--A schematic presentation of the "Orchid Family Tree" in chart form & a list of 654 genera placed in their proper groups, in reference to the chart.

WITH: --A brief key to the information contained in the Outline, some indications of the countries and geographical areas of origin of these plants, and an alphabetical index to the genera.

AND: Some notes from "On the Origin of the Orchidaceae" by Dr. Leslie A. Garay (from the "Proceedings of the Third World Orchid Conference, London, 1960", p.172-195.

AVAILABLE:--Either as a chart-35" x 45", or in notebook form - 14 pages plus a 2 page foldout in an 8½x11" hard cover. Please specify which form you prefer. Postpaid \$7.50

SUNNY WINDOW COLLECTION. These are the plants pictured on the inside front of the color binder. This is a fine & varied group of plants to give you a whole windowful of orchids for year-around blooms. All mature and blooming size plants, to bloom this yr. At least one in bud now to bloom right away. 9 plants in all: our selection of 1 lavender Cattleya, 1 dark purple Lc., 1 dark lavender hybrid, 1 white with purple lip hybrid, 1 cluster Cattleya, 2 Dendrobium spray orchids, 1 yellow Oncidium & 1 large white Phalaenopsis. A total value of over \$105.00 for the SPECIAL COLLECTION PRICE of only \$79.95

These Collections are priced
F.O.B. Homestead, Florida

VANDA COLLECTION. Color photo on inside back cover shows a representative group of these strong-growing, often-blooming plants which have become so popular in recent years. We recommend these highly because they're so easy to grow, bloom so frequently with so many flowers and the flws. last so long! Collection includes 6 fine hybrids: a large blue, a pink, a yellow and brown, a pink & chocolate, a huge chartreuse & pink, & a rare species with lots of small yellow and rust flowers--V. Lamellata. Altogether these six mature plants are valued at more than \$87.00 but offered as a collection for only \$69.95

Sprays and Clusters

ANGRAECUM EBURNEUM. Rare. Green and white flws., $3\frac{1}{2}$ to $4\frac{1}{2}$ ", 15 to 30 on arching stem. Very heavy and waxy. Lasts 2 months. Very graceful and stunning in an elegant way. Winter, spring. 6-10" pots, small, mature - \$25.00 & \$45.00

ANSELLIA AFRICANA. The most exotic & gorgeous of this group. Flws. about $2\frac{1}{2}$ " across, deep golden with dark, almost black, chocolate brown markings. On long arching sprays.

Almost mature \$17.50
Small, mature \$30.00
Larger plants, 3-4 leads \$50.00

ASCOCENTRUM AMPULLACEUM. Dwarf, 4-6" tall, rose-purple, about $\frac{1}{2}$ ". Mature, very rare and fine. \$17.98

ASCOCENTRUM CURVIFOLIUM. 6 to 12" tall & across. Brilliant yellow, orange. Very RARE & sought after.

Small, mature \$14.98
Large \$19.98

BRASSAVOLA CORDATA. Charming clusters of pale green and white flws. each about $2\frac{1}{2}$ " in dia. Make lacy bouquets against dark blue-green foliage. Fragrant at night.

1-2 lead \$8.50
2-3 lead (larger) \$12.50
4-6 lead specimens \$17.50-\$25.00

BRASSAVOLA DIGBYANA -Fennell Strain Flw. green, large and well held, immense, very frilly lip. Newly collected, rough looking but well rooted & established. A large & particularly fine strain of this exotic species. These are willing growers and dependable bloomers!

On cork bark slabs \$20.00, \$35.00

BRASSIA VERRUCOSA. Easiest of all to grow & flws. heaviest. Greenish with red-brown bars & blotches. Lip yellow. Summer.

Mature \$12.50
Larger, 3-5 leads \$25.00

BRASSIA GIREOUDIANA. Long spidery flowers in chartreuse spotted and barred bright brown, carried in two ranks back to back in a lacy and beautifully arched bloom stem.

Spring. 1 lead \$8.50
2-3 lead \$12.50
4-6 lead \$25.00

CHONDRORHYNCHA WENDTLANDII. Small plants, 6-9" tall, produce large single flws. on short stems with large trumpet shaped lip. Creamy white with a bluish lip. One flw. after another for several months in the fall. 4" pots \$8.50
Branched plants \$15.00

DENDROBIUM JENKINSII. Rare & showy dwarf. Tiny plants. Bulb & leaf about 2" high, produce from 1-3, $1\frac{1}{2}$ " flws. per stem. Bright golden yellow. One of the finest miniatures we know and extremely popular.

2-3 lead, mature \$8.50
4-6 lead, mature \$12.50
8-10 lead, larger \$20.00

DENDROBIUM NOBILE. Lav. & white flws. with deep maroon-purple center. Called "Pansy Orchid".

Almost blooming size \$5.00
2-3 bulbs \$8.50
Larger \$12.50 & \$25.00

EULOPHIA CAFFRA. Only time ever offered for sale in orchid history! One of the rarest of all orchids. We have only plants of these in cultivation today. Large, heavy plants are evergreen. Fleshy leaves are sawtoothed on edges. About 18" to 2' tall. Stems 6-11" tall, carry hundreds of 2" green flws. Summer and fall.

3 bulb plants, mature \$50.00

HAEMERIA DISCOLOR var. Dawsoniana.

These orchids are grown for their gorgeous foliage, not for their flws. They are known as "Jewel Orchids" and are truly lovely pot-plants. Leaves are borne in a rosette around a fleshy thick central stem. Whole leaf has a velvety texture. Plants want to be planted in loose open soil & kept damp. More than $\frac{1}{2}$ shade is necessary & humidity should be kept high. Leaves are green with coppery-red overtones and bright gold veins. From Ceylon & Malay Islands.

Single plants \$9.50

HAEMERIA DISCOLOR var. Nigrans.

Leaves are very dark green. Look like black velvet with a silver midrib. About $1\frac{1}{2}$ x 4" long.

Single plants \$7.50

MAXILLARIA TENUIFOLIA. Golden triangles deeply speckled in dark maroon-red, long lasting, $1\frac{1}{2}$ " to 2", carried in among leaves on short erect stem. Plant: a climber, tiny flattish bulbs with very long and narrow, gracefully arching leaves.

Single plants \$6.50
Larger plants 5-6 leads \$25.00

LARGE WHITE PHALAENOPSIS. Flowers $3\frac{1}{2}$ - $4\frac{1}{2}$ " across on long, gracefully arching stems of 8 to 40 flowers round & flat. These are one of the longest lasting & most popular of all orchids for house plants. Modern hybrids, impossible to tell them apart without the labels. Wide

variety of these plants available at all times. Price simply by plant size. Small blooming size \$8.50
Larger \$12.50, \$15.00, \$17.50
Largest \$25.00, \$35.00

PINK PHALAENOPSIS. Though known as "pink", the color is usually more of a rose-lav. or blush-lav. than a true pink. Flws. are quite round & flat, each from 3 to 4" across, in long gracefully arching sprays. Often produce more flws. than the whites but don't usually last quite so long. Season, spring.

Prices same as above for whites.

PHALAENOPSIS GOLDEN CHIEF.

(P. Mannii x P. Chieftain) Yellow Phal. believe it or not! Vary from yellow to tawny. $2\frac{1}{2}$ -3" flowers. The best yellows yet have come from this cross. These are unbloomed seedlings ready to bloom soon.

Almost blooming size \$12.50
Large enough to bloom \$17.50

RENANTHERA MATUTINA. Short, heavy leaves, semi-terete, of dark green, 2" flws. on branched, flexible stems. Pink with reddish crimson, shaded spots and stripes. Extremely rare. $4\frac{1}{2}$ ", mature \$17.50

RENANTHERA MONA CHICA. The dwarf species of this group. Very heavy, stiff blue green foliage. Blooms at 5 to 6" tall with large branching sprays of 2" golden flowers with bright red spotting. Only 1 to each of first few customers. Almost impossible to obtain. From Philippines.

To bloom within year \$17.50

RHYNOSTYLUS RETUSA. From Philippines. Vigorous grower. Robust in habit. Produces great abundance of flws. in winter & spring. Waxy white, beautifully spotted with lav-pink.

Newly collected \$10.00
Larger \$15.00

VANDA LAMELLATA 'BOXALLII'. One of the most attractive of the small flwd. species. Yellow or cream with dark rusty-red blotches on inside of lower sepals. Very floriferous. Newly collected, small, mature \$8.50
Mature \$15.00

VANDA NELLIE MORLEY. (V. Sanderiana x V. Emma van Deventer). The most famous of all orchids. One plant sold for \$1,650.00. Many others have sold for several hundred each. Large, bold flws. dark raspberry to strawberry pink. Last for months. Strong plants.

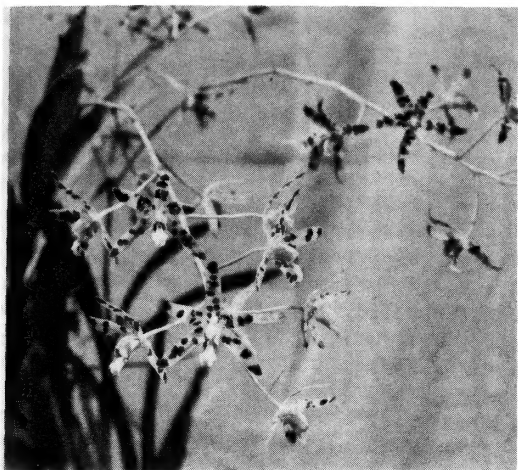
6-8 leaves 11-14" tall \$6.98
In bud \$17.50, \$35.00, \$50.00

A LIMITED OFFER-

Private Stock Seedlings

These are ones which we have only in limited quantities & which, frankly, we've been keeping for ourselves, but we simply don't have room to house them all. Some are our own "pet" hybrids--others are special "rarities" we bought for ourselves.

ALL PRICES FOB HOMESTEAD, FLA.



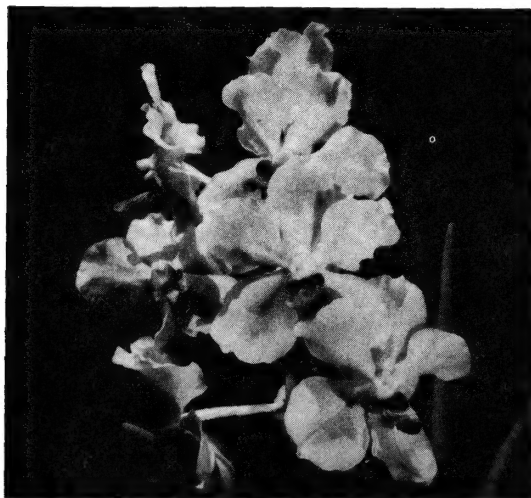
ANSELLIA AFRICANA



CHONDRORHYNCHA WENDTLANDII



RHYNOSTYLUS RETUSA



VANDA NELLIE MORLEY

C.PITTIANA X L.TENEBROSA. One bloomed a deep, rich rust red with a brilliant crimson purple lip - a real knockout-a medium large flower in clusters that are nothing short of magnificent.

2 1/2" pots 3-5" tall \$4.00
3" pots 7-9" tall \$7.50

C.WOLTERIANA. This wonderful cross between Aurantiaca and Schroederae has been an instant sell-out every time we've raised a batch and offered them for sale, we can't keep any for ourselves. A spring bloomer with clusters of orange to coral flowers each 3-4" across that last for months. Very vigorous!

2" pots 2" tall \$3.00
2" pots 3 1/2" tall \$4.50

C.GUTTATA ALBA X LC.ORANGE BLOSSOM. The Guttata parent is clear dark green on S & P's with a pure white lip. These were a sell-out at \$125.00 for unbloomed seedlings in sheath. Crossed with another cluster type yellow, we should get some wonderful greens to oranges in large & long lasting clusters.

3" pots 3-5" tall \$4.00
3" pots 6-8" tall \$7.50

C.IRIS

X (LC.FRANK LIND X LC.MIAMI).

Previous crosses of this nature have been fabulous--large, heavy & waxy flowers in clusters - of fine round shape and vividly brilliant colors from wine-reds to plum and crimson purple. With this carefully selected parentage it can hardly go wrong.

2" pots 4-5" tall, husky \$4.00
3" pots 6-7" tall \$6.50
3" pots 8-10" tall \$9.00

C.IRIS X C.GRANULOSA. All that have bloomed so far have been a lovely soft shade of lemon-green with dark lavender or crimson lip. Medium size, waxy flowers, in clusters on fast, tall-growing plants.

3" pots 3-5" tall \$3.50
3" pots 6-8" tall \$6.00

LAELIA PACIVIA X C.GRANULOSA.

Medium sized flowers in large clusters, colors ranging from chartreuse to orange is the forecast for this very rare cross. Husky plants.

2" pots 4-5" tall \$4.00
4" pots 6-8" tall \$8.00

C.EMPRESS BELLS X C.BOB BETTS. Two of the best proven parents available today, almost guarantee this to be a near perfect white with size, substance, vigor--everything!

2 1/2" pots 3-4" tall \$3.50
3" pots 6-8" tall \$7.50

BC.DAFFODIL X (BC.GOLDEN MYTH X LC.ROSE TRASK MIRANDA)

Our ever popular Daffodil mated to a large, frilly and pure golden yellow Brasso produces smallish, but husky, plants that branch freely & should be wonderful "pot-plant" subjects, producing lots of long-lasting, pure golden yellow flowers of medium size. Largest should bloom in 12-18 months.

2" pots 3-4" tall \$4.00
3" pots 5-7" tall \$7.50

C.HARRISONIANA X LC.FRANK LIND.

The first of these to bloom have had almost perfect, round and full shape, heavy substance and a waxy sheen that enhances their unusual rosy-lavender to royal purple color. Start blooming on small plants.

2" pots 3-4" tall \$4.00
3" pots 6-8" tall \$8.00

C.LEONA BLOOM

(C.Loddegessii x C.Tango.)

Two of the first of these to bloom have won Awards of Merit on their first bloomings. Heavy, waxy, flowers in clusters with a high gloss; ranging in color from rosy lavender to deep and brilliant crimson purple set off with bright gold eyes in the throat. Medium size-some have unusually full shape. vigorous growers.

2 1/2" pots 5-6" tall \$4.00
2 1/2" pots 7-8" tall \$7.50

PRIVATE STOCK COLLECTIONS

#1-One each of the smaller sizes of the 10 rare & extra fine hybrids above - a value of \$37.50 for only \$29.95 while they last!

#2-One each of larger sizes of the 10 exciting new hybrids above - a value of \$73.00 for only \$59.95 'til they're gone!

SPECIAL COLLECTIONS

(See color photos on inside & outside of back cover)

Nine special collections of orchid plants--planned especially for you! You get a wide variety of fine & showy orchids at very Special Bargain Prices in these collections.

--They are planned to give you a representative sampling of each group with:

--lots of flowers this year--spaced out bloomings around the year.

--both variety and quality at a good price! FOB Homestead, Fla.

CATTLEYA STARTER COLLECTION.

Includes 5 plants in all; 3 mature plants of the regular lavender corsage type orchids--one in sheath, or bud to bloom soon after you receive it, & the other two to bloom at other seasons of the year, and 2 fine hybrid seedlings to bloom within 18 months to 3 years.

Plus two pounds of Fenorco Plant Food (a year's supply) & a copy of the newly revised edition of our orchid growers' handbook, "Orchids for Home & Garden".

A total value of \$41.95 at the Special Introductory Price of \$29.95



SUPER STARTER COLLECTION.

(see color photo inside back cover) Like the other "Starters" this one is made up of 5 plants but these are larger and fancier plants that will all bloom this year with more and better flowers. At least one in bud when shipped. Includes a good large lavender Cattleya, a dark Laelio-cattleya, a white with purple lip Cattleya, a nice large flowered Phalaenopsis & a good strap-leaf Vanda hybrid, plus two pounds of Fenorco Plant Food & a copy of "Orchids For Home & Garden", a complete beginners handbook. Altogether a value of more than \$65.00 for the Very Special Introductory Price of only \$49.95

PHALAENOPSIS COLLECTION.

(see color photo inside back cover) A very charming and representative sampling of this fascinating group of orchids. Includes; 3 large flowered hybrids - a white, a blush pink & darker pink-rose; 2 medium size, many-flowered, novelty hybrids - a yellow and a lavender or a spotted one; and 2 of the rare and unusual small flowered species. Our choice of 7 good mature plants to give you lots of bloom from January til July - a total value of \$74.50 for the Special Collection Price of Only \$59.95

LARGE AND FANCY COLLECTION

(see color photo outside back cover) A connoisseurs collection composed of quality Cattleyas & Vandas of the largest & most floriferous types in the most sought after colors. Fine plants: 7 hybrid Cattleyas (a large dark Lc., a WPL, a yellow, a bronze, a tawny rose, a polka dotted bifoliate cluster type and a large showy lavender) plus 3 of the largest flowered & most popular of the modern Vanda hybrids. A total value of at least \$200.00 for the Extra Special Collection Price of only \$149.50

DENDROBIUM COLLECTION.

Color photo on outside back cover shows some of the fascinating Dendrobiums in this collection. Flowers vary from 2 to 4" across & are produced in quantity. These easy-to-grow, easy-to-bloom plants are some of the showiest in the orchid family. Collection includes: D. Superbum 'Giganteum' (large, fragrant lavender) D. Pierardii Latifolia (hundreds of medium sized blush lavenders) D. Densiflorum (tightly bunched pendant clusters of gold) D. Chrysotoxum (arching sprays of orange), & though not pictured, this collection also includes: D. Nobile hybrid (the pansy orchid) D. Lady Hay (arching sprays of dark magenta), D. Lady Fay x D. Hawaiian Beauty (a dark lavender spray) & D. Deareil (a rare white species). Eight fine and gorgeous orchids all of small mature size to bloom this spring and fall - a total value of \$75.00 for the Extra Special Collection Price of only \$57.95

VARIETY STARTER COLLECTION

(see color photo inside back cover) is made up of 5 totally different kinds of orchids--all are mature plants to bloom this year. One will bloom soon after you receive them, the others at intervals around the year. Includes a lavender corsage type Cattleya, a Vanda, a Phalaenopsis, an Oncidium, and an Epidendrum. Each one is different size, shape & color. All are sturdy plants--easy to grow and easy to flower; a well-rounded variety collection! Also included are 2 pounds Fenorco Plant Food and the orchid world's best selling handbook, "Orchids for Home and Garden". Altogether a value of more than \$40.00 for the Low Introductory Price of only \$29.95

SUPER VARIETY COLLECTION.

(see color photo inside back cover) A fine introduction to the beauty & variety of the Orchid Family--all are mature plants to give you lots of flowers this year. Includes: lavender Cattleya hybrid, Epidendrum, Oncidium, a strap-leaf Vanda hybrid, a Phalaenopsis, a Broughtonia & 2 large-flowered & showy Dendrobiums plus three pounds of Fenorco Plant Food - a total value of more than \$65.00 for the Special Introductory Price of only \$49.95

Please Note... The many other Special Collections Throughout this folder are all very good buys! We especially recommend the Sunny Window Collection & the Vanda Collection on page 17, shown in full color on inside front & back covers.

BIFOLIATE COLLECTIONS

These new & exciting hybrids as pictured on the outside back cover have literally swept the orchid world by storm in the last few years. Featuring different shape, heavy, waxy substance, whole clusters of long lasting flowers, and an entrancing range of exotic new colors it's no wonder they are so much in demand. Our collections are chosen for you, to give range of sizes of shapes & color as shown in the picture & are available in two sizes:

SENIOR BIFOLIATE COLLECTION

Eight mature plants - 4 are fully grown - 4 are seedlings to bloom this year.

A total value of \$135.00 for only \$99.95

JUNIOR BIFOLIATE COLLECTION

Eight different hybrids similar in variety, bloodlines & types to those shown but not quite blooming size. These are large, vigorous seedlings in 3 & 4" pots - most should bloom in 12 to 24 months. A fine sampling of our newest hybrids valued at about \$70.00 for the Very Special Collection Price of only \$44.95

INSTRUCTIONS FOR ORDERING

ORDERING: List the complete name of the plant or item. State size desired with corresponding price. Please state if you want plants delivered by some particular date — otherwise our aim is to ship all plants within one week of receiving your order.

FOREIGN ORDERS: Due to the extra paper work and red tape involved, we have a \$50.00 Minimum on all foreign orders except those to Canada. Please state any special requirements of your government — There will be no extra charge for our work in obtaining special inspections or licenses.

CANADA: We recommend shipments from May 1st to Oct. 1st only — shipments during winter months are at customer's risk.

All Other Countries — we recommend shipments by Air Cargo with plants packed out-of-pot to reduce weight.

SHIPPING: Plants are usually shipped in their pots — if your order is a large one, some saving on shipping costs can be made by shipping the plants out-of-pot. Please advise us if you wish your plants shipped out-of-pot. All prices are F. O. B. Homestead, Florida, unless otherwise stated. All shipments in U. S. A. and Canada will be shipped by Railway Express Collect unless we receive other instructions from you. **AIR EXPRESS** is somewhat faster, but is not usually worth the extra expense on shipments in this country. **PARCEL POST** is safe for plants only during warm summer months and will not be used unless specifically requested by you. We cannot guarantee safe delivery by Parcel Post. **PREPAID SHIPMENTS** can be made on your request — after plants are shipped we will bill you for the exact charges.

PACKING: Our methods have been carefully worked out thru years of experience and constantly earn us many compliments — because of our excellent methods we can ship our plants in perfect safety all winter. **We make no packing charges.**

TERMS: CASH WITH ORDER — NO C. O. D.

DISCOUNTS: Thruout the catalog we list many Special Collections which represent very fine discounts from the regular plant prices. Also we would like to remind you of our "Make Up Your Own Collection" plan on page 3 and our "Orchid of the Month Club" selections above.

QUANTITY DISCOUNTS: On large orders we also offer the following discounts:

\$100.00 to \$ 249.00	10%
250.00 to 499.00	15%
500.00 to 749.00	20%
750.00 to 1000.00	25%
over \$1000.00	30%

These discounts apply only to the individually listed items in this catalog and are not applicable to the Special Collections, Special Sale Items, Selected Individual Plants of extra fine quality or to Special Quotations on individually selected plants.

GUARANTEE: We guarantee **SAFE DELIVERY** and complete satisfaction. If anything about your shipment is unsatisfactory we want to know about it and we will cheerfully correct it. If a shipment should arrive frozen or damaged from over-heating, or any other cause, please notify the Railway Express Company immediately and ask for an inspection. You should save all of the packing materials and box to show the inspector and have him make out the Joint Inspection Report to us as beneficiaries. Then send this report to us and we will immediately replace your plants. The Inspection Report **MUST** accompany your request for replacement as we cannot collect damages from the Express Company without it! **REMEMBER** — we don't ask you to make the claim or to do all of the work of collecting from the Express Company. All we ask is for you to obtain the Joint Inspection Report and send it to us. We replace your plants immediately and we file the claim and do all of the rest of the work collecting from the Express Company, which incidentally usually takes months. **Please help us on this so that we can serve you more quickly and better.**

All plants are offered subject to prior sale.

No substitutions will be made without consulting you unless you indicate on your order that substitutions of like quality and type are permissible.

The Fennell Orchid Co. in no way guarantees the crop produced by these plants, or their future growth, as such conditions are beyond our control. In the event of a claim our liability is limited to the purchase price.

FENNELL "GROW ALONG" PLAN

This plan is the same as a "Lay-Away Plan," except the orchid plants are growing and increasing in value as you make your payments.

Order your plants and send \$1.00 or more to hold them.

Orders up to and including \$12.50 may be

paid for at \$1.00 per week. (or more if you prefer).

Orders from \$12.50 through \$25.00 may be paid for at \$2.00 per week. (or more if you prefer).

Orders of \$25.00 and up may be paid for at \$5.00 per week. (or more if you prefer).

Your orchid plants are marked with your name and put aside. They will be "Growing Along."

When the plants are paid for, shipment will be made to you.

Dear Friends:

Since you are familiar with the high quality plants we produce, we hope you have had reason to tell your friends and relatives about the items you have purchased from us. For this reason, we would like very much to see that any who are interested receive our new free catalog this Fall.

We would appreciate a few minutes of your time to list here, the names and addresses of friends you think might be interested.

The demand was so great for our last catalog, we were unable to fulfill all requests. We hope by this method we can print a sufficient quantity so that everybody will have an opportunity to receive a copy.

Many thanks for your interest and help.

Sincerely,

Fennell Orchid Co.

NAME _____

STREET _____

CITY & STATE _____

NAME _____

STREET _____

CITY & STATE _____

NAME _____

STREET _____

CITY & STATE _____

Additional names may be listed on separate sheet of paper.

CANADIANS write to your Canadian Department of Agriculture, Ottawa, and request that they send you an import permit. You will be sent a permit number and an address sticker. Send the address sticker to us with your order. We advise shipment to Canadian points only between May 1 and October 15.

FENNELL ORCHID COMPANY • ORCHID JUNGLE • HOMESTEAD, FLORIDA

for the ultimate thrill - Grow Orchids from Seed!

DO YOUR OWN SEED FLASKING

Complete kits and simple directions available.

Over the 35 years during which we have been growing orchid seed by the asymbiotic (flask) method, we have made hundreds of attempts at improving the old Knudson formulae but with only minor success until about 5 years ago when we made an "all-out" attempt & concocted a completely different formula that worked much better than any previous attempts. We have made many improvements on this "break-thru" until we now have our "Formula 36" which we believe to be the very best obtainable for growing most kinds of orchid seed.

The ingredients of "Formula 36" are sometimes hard to find and it cannot be made up as a dry mix so we sell it in the bottles ready to use. If you've been using the old mixes or any of the dry "ready mixes", give "Formula 36" a try. We're sure you'll find faster, stronger growth. We get transplanted Cattleya seedlings up to 2 to 5 inches tall after 10 to 14 months.

Fennell's Seed Planting Kit contains everything needed to plant your own orchid seed. Kit contains one set complete directions, three 500 cc flasks containing our special Formula Number 36, (all you need to do is to melt these flasks in a pressure cooker for 15 min. at 15# pressure, cool & use) 5 filter papers, 1 bottle Calcium hypochlorite granules used to disinfect seed according to directions furnished, 1 seed disinfection flask, 1 wire seed planting loop and one packet orchid seed. (Your choice any \$5.00 packet in our seed list or \$5.00 credit towards any seed on the list.) If seed is not wanted, deduct \$5.00.

Complete Kit, postpaid in U.S. \$17.95

Extra 500 cc flasks Formula #36

Set of 6 postpaid \$17.95
Set of 12 postpaid \$29.95

Extra 4 oz. bottle Calcium hypochlorite with either above collections of flasks \$1.00

If postpaid separately \$1.50

Extra 8 inch filter paper

100 sheets postpaid \$1.50

Extra 1 pound bottle Calcium hypochlorite with either above collections flasks \$2.50

If postpaid separately \$3.00

If you have an experimental turn of mind, try orchid seed growing. With our new kit described at left it's easy to do. You don't need a lot of expensive equipment. Just one of our kits and a little time.

All work can be done in your kitchen!

ORCHID SEED-Fall '63

* On seed orders please give 2nd & 3rd choices *

#677-Lc. Glorydow x C. Pittiana 'Green Gold'. A striking golden orange with crimson red lip crossed with our famous 'Green Gold'. Should give vigorous, floriferous yellows and oranges. Pkt. \$10.00

#678-C. Snobal x C. Sparkle Plenty. This should make an exceptional white bifoliate combining bloodlines from Bow Bells & O'Brieniana. Pkt. \$10.00

#679-C. Amethystoglossa x C. Jack Cole. Our best Amethystoglossa crossed with a tremendous & very fine white of Bob Betts lineage. Both suspected tetraploids. Seed tests about 75%. Pkt. \$10.00

#680-C. Trianae 'Caerulea' x Lc. Blue Boy 'Orchid Jungle'. We're hoping for some fine blues here! Pod is 9 months old--make your reservation now for November-December delivery. Pkt. \$25.00

#686-Lc. Swanee River x C. Nobilior. Both very fine, dark, heavy, full varieties. Swanee River is a strong growing large cattleya while Nobilior is a rare dwarf bifoliate species which grows only about 6 to 8" tall but produces 4 to 5" flowers of very heavy texture. Medium sized compact plants & medium to large size, dark, heavy, full flowers are expected. Pkt. \$25.00

#687-C. Amethystoglossa x C. Amethystoglossa. Two very heavy, wide petaled, boldly spotted varieties crossed here. A previous seedling of the same type produced some very fine varieties & a very high average quality. Pkt. \$5.00

#688-C. Red Top Mountain x C. Indian Creek. Two very fine, medium sized, purple bifoliate used here. Both plants produce up to 8 or 10 four inch flowers per stem. Pkt. \$5.00

#689-(Bc. Juneau x C. Suavior Acquinii) x C. Enid Alba var 'United Nations'. This should produce a majority of white with purple lip flowers of good shape & heavy substance with a percentage showing heavy splashes of purple in the tips of the petals. Pkt. \$10.00

#690-C. Nobilior x Lc. Rosemary Upton. Our finest selected Nobilior (a large flowered dwarf plant) of dark & vivid rose-purple with an unusually full, flat shape crossed on Rosemary Upton (C. Bow Bells x L. pumila) which has very full, flat, and compact flowers of bright, dark lavender should give us some really fine, medium large, full flowers of fine shape substance & color on dwarf or semi-dwarf plants. 3/4 of inheritance grows less than 8" tall. Bow Bells blood contributes for shape. Pkt. \$15.00

#691-C. Nobilior x C. Karaelyn Sugiyama VII. Our same fine Nobilior described above, crossed with one of our very best selections of this fine, modern white Bow Bells hybrid should give us semi-dwarf plants with medium-large flowers of excellent full, round shape, heavy substance and strong colors from dark lavender to vivid rose-purples. These should be terrific. Pkt. \$15.00

"Orchids for Home and Garden" by T. A. Fennell, Jr. has a whole chapter in which seed planting, transplanting from bottle to bottle, transplanting to pots etc. are carefully explained in a step to step manner. Postpaid \$3.95

-DIAMOND ANNIVERSARY SALE SPECIAL-

Quantity Discount on Seed

20% off on orders of 5 or more.

30% off on orders of 10 or more.

SELECTED INDIVIDUAL PLANTS

The plants listed on the next 2 pages are fine individual selections of the rarest or highest quality -- all are outstanding for their type and genetic background.

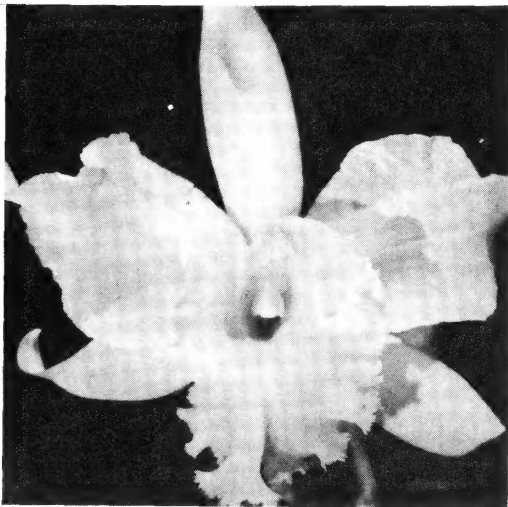
These are items for the most discriminating taste & are worthy of the finest collections. You can't buy better orchids than these are, each in their own category!

The following descriptions are of single plants and are offered subject to prior sale only. If possible please indicate 2nd and 3rd choices acceptable to you on your order, otherwise your money will be refunded if the plant of your selection is already sold.

* * * * *

Aerides Herman Slade. The World Famous hybrid which has been so popular it has been totally unavailable in recent years. A rank growing, free-blooming plant with large and bold bright lavender and amethyst flowers. Three side-shoot divisions are available, 12" to 14" tall mature divisions--will be cut and potted or shipped bare root to your order. Each \$30.00

Blc. Deese. A considerably better than average selection very similar to the awarded variety--rich pure white with only a streak of bright violet in the center lower tip of the large frilly brasso lip.



Segments are wide, flat & well held -- a large full flower of good shape -- 8" in diameter -- lip 3½" long, 2½" wide. A strong 3 bulb front division---potted or bare-root according to your instructions \$50.00

Blc. Ojai. A large, good selection of this well known yellow brasso which has been winning awards these last few years. Lip is 3½" x 3½", ruffled bright lavender & gold

Sepals and petals are yellow with delicate lavender-rose veination along edges. A handsome & bold flower. Winter bloomer--often blooming a 2nd time in summer or fall. One strong 4 bulb front division, cut & potted or shipped bare-root according to your specifications. \$45.00

Blc. Ojai 'Verde' AM-AOS. The finest selection of this we know. Clear, bright, chartreuse sepals and petals--large frilly lip is mostly chartreuse & yellow too with only a little rose veination for a subtle and lovely contrast. This is a very full and well shaped flower--best we've seen in this cross. A recent award---winter blooming. A husky 3 bulb front division, bare-root or potted \$75.00

Bc. Orpheus 'Pearl'. One of our founder's first hybrids. Through the years one of our most popular novelty hybrids--have been sold out for almost 10 years but divided our one remaining large specimen last spring & now have several small divisions well established. May bloom this winter--flowers are about .5" with large glauca-type lip. Waxy substance and a very fine sparkling "pearlescent" texture. Color is a delicate blushed pink pastel shade overall. Plants are short & compact--branch freely and bloom heavily all over the pot--fine "pot-plant" subject--blooms Christmas and winter.

4-6" pots \$15.00 to \$25.00 each

C. Henrietta Japhet 'Orchid Jungle' Oliver Lines won a blue ribbon with this one in St. Petersburg in '59. A fine selection with unusually broad segments and heavy substance--sparkling ice-crystal texture. A large, heavy grower & a willing breeder that we've used several times with fine results. Produces large clusters of big flowers 2 or 3 times a year---often blooming during winter-spring show season. A 4 bulb front division, either potted or bare-root \$50.00

C. Audrey Schubert. Selected varieties of bright rose-lavender with boldly contrasting dark yellow throats. One of the best Loddegesii bifoliate hybrids with unusually full flowers for this type of bloodlines---usually bloom 2 to 3 times a year. 4 bulb, 2 lead front divisions--rank grower \$12.50

C. Iris 'Orange'. A most brilliantly colored dark orange-bronze flower with boldly contrasting crimson lip. Strong, tall growing with many-

flowered heads of 5" flowers. A 4 bulb front--either potted or bare-root \$40.00

(C. Bowringiana x Lc. Nakoma) 'Peach Blush'. The only Bowringiana hybrid we've ever seen in the yellow color range. Should be a fine stud for introducing Bowringiana bifoliate "blood" into yellow breeding or for bringing more brilliant color tones into Bowringiana type bloodlines. These 3½ to 4" flowers are full & well held of good substance & long-lasting with a lovely soft and delicate color that opens in sunset yellow & rose tones and gradually changes to a rich peachy color on sepals and petals with an old rose lip. One of the strongest growing---freest branching bifoliates in our collection. Several established divisions in 4-6" pots. 1 lead \$35.00 & \$50.00
2 leads \$50.00 & \$75.00

Lc. Issy 'Mahogany Sheen'. This truly stunning novelty hybrid produces clusters of large well held flowers of boldly exotic color--dark waxy mahogany sepals & petals & bright violet lip--they vibrate! Plants are willing growers--very tall and slender by habit. A strong 2 bulb front division---shipped either bare-root or just potted. \$35.00

Lc. Kencolor. One of the most truly pink hybrids yet produced---all open with chartreuse S & P's which gradually turn to pink as flowers age--some end up bright lipstick pink tones. Lip on all is vivid purple. These charm all who see them! Plants are husky bifoliates---very willing growers that often bloom 2 to 3 times a year and make showy specimens quickly.



Several are available:

#26--Large, strong, 3 lead plant in 7" pot.
A very dark pink variety \$45.00

of High Quality - Unusual Types

#25-Three lead plant in 6" pot.
Nice pink \$40.00

Front divisions--mature--potted or bare-root:

#4-One lead, 4 bulb front--
light tawny pink \$17.50

#22-One lead, 4 bulb front--
Pink \$30.00

Lc. Myra 'Prolific'. This is a large, bold, clear lavender hybrid that outdoes itself year after year in flower production--a willing grower that doubles in front leads and number of flowers almost every year and quickly makes extremely showy exhibition specimens of better than average 6" flowers. Blooms during the spring show season. Our one plant was divided into 5 only 3 years ago and the smallest 4 of these were divided this year to give us 17 one and two lead plants which are already well established, blooming size, while we still have the largest one for show. Now available for sale for the first time.

One lead \$30.00
Two leads \$40.00

Lc. Davis Islands. This modern hybrid has been extra good--they are strong plants, branch freely and bloom heavily with large and fancy flowers of dark lavender purple overall (with little or no yellow in throat). Shape of flower is round & compact--substance & texture are good. Several are available--better than average selections. Often bloom more than once a year.

* Front divisions 1 lead \$17.50
2 leads \$25.00

* Established plants in pots
1 lead \$25.00
2 leads \$35.00
3 leads \$45.00

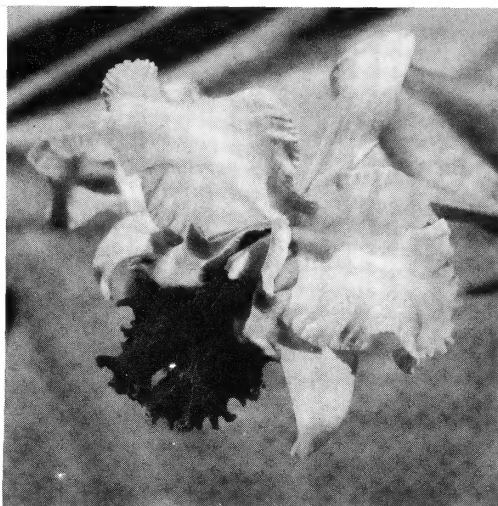
Lc. Princess Esk is very similar to the fine hybrid above. This also produced fine large darks of full shape--fancy flowers across-the-board. We have a few strong front divisions of selected better than average individuals now available:

1 lead, 3 & 4 bulbs \$20.00
2 leads, 4 bulbs \$30.00

Lc. Princess Margaret

X Blc. Miranda 'Orchid Jungle'. This is a large and fancy one that is going to win an award yet we're sure! The picture shown here doesn't do it justice due to camera angle but it is truly glorious! Shape is much better & more full than it ap-

pears--no spaces between segments,



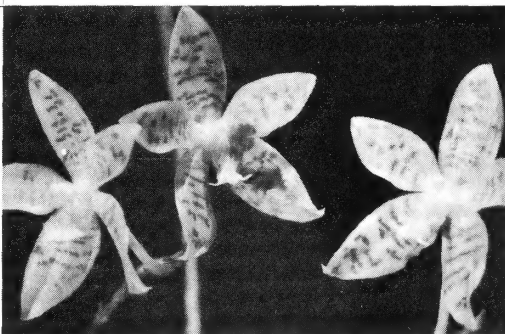
when seen face on & it is beautifully held. Color pattern is unique & most attractive--sepals & petals are a bright clear lavender with shadings of darker purple tones towards edges & along midribs. Lip is brilliant crimson purple velvet with prominent yellow eyes--a magnificent orchid! One good single mature plant in 6" pot \$75.00

PHALAENOPSIS LUDDMANNIANA

SELECTIONS. Very fine individual selections of various forms of Luddemanniana show up in our importations from time to time and these are set aside for breeding or for propagations when they bloom. Several are now available:

* 'Boxallii' #24. A full, compact, & flat flower--greenish yellow with only a few tan markings. Nice mature plant in 6" pot, 4 spikes \$30.00

* 'Boxallii' #44. One of the finest variants we've ever had. Larger and fuller of flower than most with good clear lemon yellow, obviously



marked with rust red lines. 12" wing-spread in 6" pot, 7 leaves, 3 spikes with 2 kikis.

Pictured above \$45.00

* 'Boxallii' 'Fennell's var.'

A clear lemon yellow form with no stripes or spots. Very rare. Small, rooted plants 4-6" across \$35.00

* 'Hieroglifica' 'Giant Star'. The largest one we've ever seen. 3 inch flower with extra fine shape, equally spaced, broad segments in star formation. Greenish cream with cinnamon red 'hieroglifics' in bold pattern. A small plant, 2½ leaves, 12" span, 4" pot \$45.00

* 'Purpurea' 'The Red Phalaenopsis'. Actually a wine-red to purplish-red color. So heavily spotted with large overlapping spots that it seems completely self-red all over with only a little whitish background color showing along edges. Several have bloomed & are set aside, as described here:

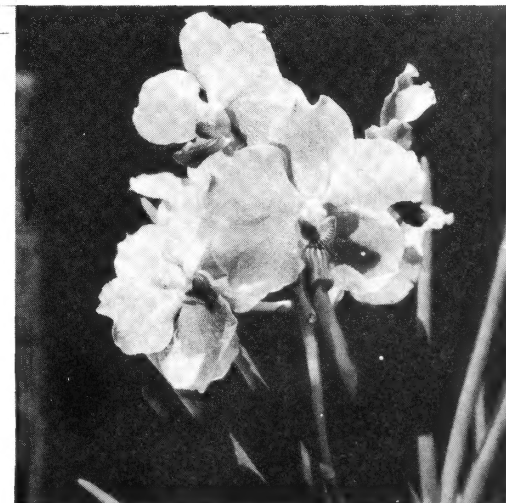
#23 - A little white along edges and at tips of S & P's. 4" pots, 5 leaves, 1 spike. Med. dark color. \$20.00

#40 - 4½" pot, darker red-purple, faint white edging. 3 old jungle leaves, 2 small, new, good leaves. 1 spike. \$15.00

#41 - 4½" pot, darker red-purple, faint white edges. 3 old jungle leaves, 2 medium size new leaves. \$20.00

#42 - Solid red-purple overall. No spotting pattern evident at all. Broader than average segments. Larger than average flowers. 5 leaves (3 jungle scarred) 4½" pot, 1 spike \$45.00

Vanda Nellie Morley. The one pictured; considerably finer than average, full, round and overlapping shape; even, overall spotting pattern of bright rose-red tinged with lavender heavily on pink background.



The Original Strain--would have won an award 5 years ago--still one of the top 10% of cross. Small mature plant \$50.00

GROW ORCHIDS with ARTIFICIAL LIGHT

Most orchids will grow & bloom well under artificial light. There are, however, several very important factors involved to have success with this kind of orchid culture.

First, & most important, is that you must use the right kind of light. Only part of the spectrum is usable to the plant so special light bulbs are necessary--best are the GRO-LUX fluorescent tubes which are designed specifically for plant growth.

Secondly, the lights must be as close as possible to the foliage of the plants in order to give the plants the maximum amount of light energy. Light intensity (& therefore energy) varies inversely with the square of the distance from the light source to the subject matter. In other words, a light placed twice the distance from the leaves of a plant gives only 1 quarter as much light energy to the plant as one placed only half as far away & one 3 times as far away gives only one ninth as much light energy to the plant. For this reason it is recommended that light tubes should be only 6" or at most one foot above the leaves of your plants.

Third, & almost as important, is that the proper number of hours of light should be given and that these hours should be controlled on regular & exact schedule. Most orchids bloom according to changes in the day-length or the number of hours of light given each day. If you keep your lights on the same number of hours every day or if you turn them off & on haphazardly when you happen to get around to it each day, your plants probably will not bloom regularly, or even, possibly at all!

The safest and easiest way to time your lights for normal season blooming of your plants is to simply time your lights to go on at dawn & off at dusk according to normal times in your own climate. The time of dawn & dusk in the orchid's natural habitat is not necessary. It is the normal climatic seasonal change that really matters so your own local dawn & dusk is good enough.

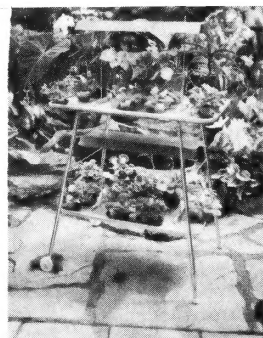
Since regularity of timing is very important, an electric time clock that will turn the lights on & off every day at exactly the same time is the most practical way to do this. The time clock should be set once or twice a month; simply look up the official time of sunrise & sunset in your local paper & change the settings on your time clock to correspond. Doing this regularly every week or so will give your plants the normal day-length seasonal changes they need to tell them when they're supposed to bloom.

These automatic time clocks are not expensive & will more than pay for themselves in convenience to you. (We have a very fine automatic time clock that is very easy to set & into which you simply plug your light cord for a completely automatic set-up--will control several lights at once if they're all on the same schedule. We sell these postpaid at only \$13.50.)

The light tables and growing carts in the adjoining columns are very practical units designed for growing orchids under lights anywhere around your home--even the cellar!

NEW ALUMINUM 3-TIER ORCHID & VIOLET CART

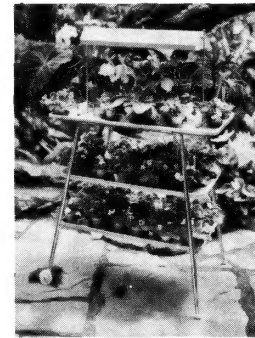
Use with 3 trays or 2 trays — All 3 photos are same plant stand!



1. With two plant light fixtures, on top and bottom trays, all your plants will have enough fluorescent light to grow and bloom in a dark room with little or no natural light. Lower light instantly replaces middle tray if desired. Converts your stand into a lighted plant cart!



2. A removable middle tray is included with your Aluminum 3-Tier Plant Stand. With all 3 trays in use, no light fixtures will be needed if plant stand is placed in a bright sunny room, or on porch or patio. The rich satiny aluminum is weatherproof.



3. Rest light fixture on top tray, or on bottom tray with middle tray removed from plant stand. With light on bottom tray only, place stand under window where plants on top tray will have natural light. Plants under Plant Light will grow and bloom gloriously!

New 3-Tier Aluminum Plant Stand rolls on noiseless plastic wheels from window to window or into the kitchen for watering! Light in weight, sturdy, rigid, weatherproof. For living room, porch or patio. Three metal trays, top 20" x 34" and lower trays 18" x 31", hold 100 or more plants or just a few. Deep rolled edges for moistened sand or pebbles under pots for humidity if desired. Stand is 35" high, 12" between each of 3 trays, 24" between top and bottom trays. Middle tray is instantly removable. Rich satiny aluminum is easily cleaned with damp cloth.

Now You Can Bloom Orchids or Violets in Darkest Places With New Gro-Lux Plant Light

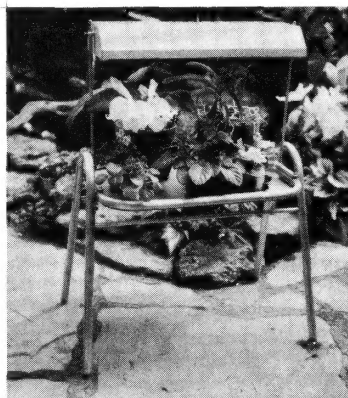
New Gro-Lux Adjustable Height Plant Light with legs and feet rests without fastenings on top tray of plant stand, or on bottom tray (with middle tray removed from stand). It converts your plant stand into a fluorescent lighted plant cart! Light is instantly removable without unfastening anything, for other use on desk, table or bench. Fixture is raised or lowered on post-legs and held firmly in place with thumb screws at any height above plants to 18". Light is 24" long, 9" wide. Complete with two 20-watt GRO-LUX tubes, cord and switch. Enough light for plants to grow and bloom in darkest places!

Plant Stand and Gro-Lux Plant Lights May be Ordered Separately:

3-Tier Aluminum Plant Stand only, with removable middle tray	Cost each
Gro-Lux Plant Light only (with two 20-watt Gro-Lux tubes)	\$ 21.95
as shown above at right, without cart	19.95 each

NEW ALUMINUM PLANT-TRAY STAND

Now You Can Grow and Bloom Orchids and African Violets in Darkest Places!



Both photos are same plant-tray stand — Light can be removed instantly

New Aluminum Plant-Tray Stand is large enough for orchids, small enough for 3 to 25 African Violets or other potted plants! Light in weight, sturdy, rigid, weatherproof. For living room, porch or patio. Can be picked up, plants and all, by handles at ends and carried from window to patio or into the kitchen for watering! Sturdy guard rail of 1" aluminum keeps plants from falling. Rich satiny aluminum is easy to clean with damp cloth. Stand is perfect for casual table use, too. It is 16" x 24", 22" high without Plant Light. 39" high overall, with light.

2-Tube Adjustable Height Plant Light uses two 20-watt fluorescent tubes. Enough light for orchids or violets to bloom in a completely darkened room or in darkest corners! Light fixture with legs and feet is instantly removable without unfastening anything, for other use on desk, table or bench. Light is easily raised or lowered on post-legs and held firmly in place with thumb screws at any height to 18". Light fixture is 24" long, 9" wide. Complete with switch, cord and plug (tubes not included).

Plant-Tray Stand and Plant Light may be ordered separately — Use Stand without Light in bright window or on porch or patio:

All-Aluminum Plant-Tray Stand without light	Cost each
Plant Light (for two 20-watt tubes) as shown above at left, without stand	\$ 14.98
Complete Lighted Plant-Tray Stand with Plant Light	\$ 28.95
as shown in photo above at left	
GRO-LUX 20-watt Fluorescent Tubes (extra)	2 for 4.98

PRICES F.O.B. FACTORY You will be billed for Postage.

MINIATURES & DWARFS

The Tom Thumbs of the Orchid World! These exciting little plants have been chosen for you because they are easy to grow, they flower well with lots of proportionately large flowers, yet they don't take up much room in your growing area. Most of these will

bloom more than once a year & have become the favorites of many discerning and particular growers. A few are hybrids--others are species--all are mature or big enough to bloom this year. Try some of these for your collection--we recommend them highly!

C. ACLANDIAE X C. LODDEGESII. A fine and charming miniature hybrid, with large flowers (3½"-4") on small plants that bloom when 6" to 8" tall. These vigorous growers are mostly branched with several leads in 2 & 3" pots.

Almost mature	\$ 9.98
2-3 leads	\$14.98
In sheath	\$17.98

* **DENDROBIUM JENKINSII.** A miniature form of aggregatum. Flowers are full size but plant is only 2½ to 4" tall. Bulbs are tightly clustered in mat formation. Blooms all over plant with bright golden yellow flowers each 1½ to 2" in diam. Spring. Very showy! Mounted on slabs. \$7.50, \$10.00, & \$12.50

DENDROBIUM LODDEGESII. A miniature from the Nobile group. Bulbs 6 to 10" long produce 2 inch flowers of pink-lavender with a yellow throat & fringed lip. Likes a cool & dry fall & winter. Blooms spring. Mounted on slabs.

\$7.50, \$10.00, & \$12.50

* **DENDROBIUM COMPACTUM X D. PAULINE.** Compactum blooms with a full stem of 2½ inch flowers when only 4 to 6 inches tall. Seldom gets taller. This hybrid started blooming last year at 6 inches in height. The largest we have are only about 8" tall now so may not get much taller. Produced 8 to 15, 2½ inch lavender flowers of intermediate shape on 6" bulbs. Small mature plants, 2 & 4 inch pots. \$9.98

EPIDENDRUM MARIAE. 3 to 3½" flowers of bright, clear green with large, tubular, trumpet shaped, glistening white lip centered with a few dark green stripes on 6 to 8" tall plants, with tightly clustered bulbs make this an unusually showy and very popular miniature. A few

only. Well established, mounted on slabs. \$9.98, \$14.98, & \$17.98

(LAELIA PUMILA X C. LUTEOLA). A new hybrid we bloomed this year for the first time, makes husky dwarf plants that bloomed with 2 and 3 flowers about 2½" across, of good full Cattleya shape and in bright lavender tones with a purple and yellow lip. A truly miniature Cattleya with good sized flowers that caught everyone's eye & interest while in bloom.

Almost blooming size	\$7.98
Small mature	\$11.98

LOCKHARTIA PALLIDA. "The Braided Orchid". Slender erect stems 4 to 7" tall covered by overlapping leaves in braided pattern produces many ¼" bright yellow flowers on short stems from between leaves at tips of stems 2 or 3 times a year. A very gay and fetching miniature that is always popular. Mounted on slabs. \$4.98 & \$7.98

* **NEOFENETIA FALCATUS.** An Angraecum relative from Japan that produces multiple flowered stems of dime-sized white flowers each with a 1½" long tail, several times a year.



Plant looks like a Vanda seedling. Is mature at 3 to 4" of height and breadth. Very "oriental" in appear-

ance & effect. 2-3" pots.

Single plants \$6.98

Branched plants \$9.98 & \$14.98

* **ONCIDIUM TRIQUETRUM.** Heavy semi-terete leaves in a fan arrangement. 3 to 6" tall produce lateral stems of 6 to 15 dime sized pink or rust & cream colored flowers of a very unusual & attractive shape & color pattern. Bloom several times a year.



Flowers last a month or more & old stems will branch & flower a 2nd & 3rd time if not removed. A very popular & fast moving item. A few only in 2 & 3" pots. \$6.98 & \$9.98

* **RODRIGUEZIA SECUNDA.** One of our all time best sellers, these lovely little plants really put out the flowers. Gracefully arching stems come out between the leaves and trail down 6 to 12" with many fingernail sized bright lipstick pink flowers in the spring. Larger, stronger plants will put out 6 or 8 stems per growth on each of several front leads. This makes a very showy, yet dainty, "pot-plant" quickly. In 2½ to 4" pots.

Small mature	\$4.98 & \$6.98
Larger specimens	\$12.98 to \$25.00

SOPHRO-LAELIA PSYCHE. One of the really rare and sought-for old timers. A real "red orchid" with orangy over tones---tiny slender plants produce 2½" flowers from 4 to 6" tall plants. Shape is quite full with broad S & P's. This has produced some fascinating hybrids such as Slc. Mischief, Lowiana Trinket, etc. 2 to 3" pots.

Almost mature, single	\$12.98
Branched plants	\$17.98 & \$24.98

--for other rare & unusual miniatures, see pages 16 and 18.

MINIATURE & DWARF COLLECTIONS

#1- One each of the five plants above, marked with an asterisk(*) Smaller sizes of each, a representative & fascinating group of these wonderful small-growing but relatively large-flowered plants. A total value of \$36.42 for the Extra Special price of only \$27.95

#2- One each of the 11 rare miniature & dwarf orchids described above. A well rounded sampling of this fast growing field of the orchid hobby interest. Small sizes of each plant with a total value of \$81.82 for the low Collection Price of only \$67.79

Novelty Cattleya Hybrids -- Art Tone Colors from C. Aurantiaca

A WHOLE NEW LINE OF BREEDING--

- PRIMARY & SECONDARY HYBRIDS OF AURANTIACA
- STRONG GROWING--FREELY BRANCHING "POT PLANTS"
- HEAVY BLOOMING--LARGE CLUSTERS OF MEDIUM SIZED FLOWERS
- FLOWERS LAST FOR MONTHS--WINTER & SPRING
- "ART TONES" OF YELLOW-ORANGE-PEACH-CORAL PINK-TANGERINE-ROSE-MAGENTA

CATTELEYA AURANTIACA. The species itself, from which all of the following hybrids are descended. Flowers are deep & brilliant orange--up to 20 on a stem each about 1½" across in a tight clustered head between the bifoliate leaves. These are prolific plants that branch and bloom freely. Mature in 4 to 5" pots. These are not cleistogamous--the flowers stay open & last for weeks!

2-3 lead plants \$15.00
4-5 lead plants \$25.00

C. AURANTIMEDIA (C. Aurantiaca x C. Intermedia). This one is a surprise. It blooms when only 5 to 6" tall & plants blooming for the 2nd & 3rd time are still in 3" pots. Non-seasonal too--blooms most anytime. 3" flowers up to 6 on a stem even on these dwarf plants--may produce more if plants ever grow to full size. Color is yellow or orange with rose lip as flowers open, then changes to peachy-pink or creamy-pink as it ages. Small mature plants--3" pots \$12.50 & \$17.50

C. CONFETTI (C. Aurantiaca x C. Trianae) 3" flowers, up to 14 per stem. Soft glowing pastel yellow shades. January & February.
Mature plants 1 lead \$20.00
2 leads \$30.00

BC. DAFFODIL (C. Aurantiaca x B. Glauca). 3" flowers on 8 to 10 inch plants--bright golden yellow to clear orange. November til April--last for months. Described in detail on page 15. Fine "pot-plants" The original cross, 1 lead \$35.00

BC. DAWN (Bc. Daffodil x C. Trianae) Bright, clear pink & orange flowers. 3½ to 4" in diameter, in clusters. December & January.
Mature plants 1 lead \$17.50
2 leads \$25.00

C. GUATEMALENSIS (C. Aurantiaca x C. Skinnerii) One of our most popular early hybrids and one of the showiest of all Cattleyas for specimen work. Prize winners at Florida

Shows have been exhibited with more than 1000 flowers on 1 plant. An extremely showy "pot-plant" that grows like a weed and carries as many as 30 flowers per stem, each 2½" across in lovely shades of salmon to coral with soft lavender overtones.

Mature 1 lead \$25.00
1 leads \$35.00

C. GUATEMALENSIS AUREA 'ORCHID JUNGLE' CBM-AOS. This clear butter yellow form won a Certificate of Botanical Merit from the American Orchid Society three years ago. Slightly smaller in growth than the original type but just as floriferous & showy. A fine & rare "pot-plant".

Small mature 1 lead \$40.00
Strong 2 leads \$60.00

C. MARLENSIS (C. Marstonii x C. Guatemalensis). 3-4" flowers in clusters up to 14 on a stem. Pink to magenta-purple, last for months. Spring--strong growing, free branching, very popular.

Pinks & rosy lavenders 1 lead \$15.00
Magenta purple 1 lead \$40.00

BLC. PINK STAR (Bc. Daffodil x Lc. Kenosha) Described in detail on page 11. A fine vigorously branching, medium sized plant with long-lasting flowers. Spring. Extra good pot plant subject.

Whites, creams & pinks \$17.50, \$25.00 to \$35.00
Pure golden yellow 1 lead \$45.00

C. SALMONICOLOR (C. Aurantiaca x C. Mendellii). 3-4" flowers in large clusters from Feb. til April. Sunset color tones from coral to salmon rose. Most with orange overtones. Vigorous, freely branching "pot-plants". Extremely popular.

Pastel tones, 1 lead \$20.00
2 leads \$27.50 3 leads \$35.00
Selected darker & more vivid tones
1 lead \$30.00 2 leads \$40.00
3 leads \$55.00

C. TANGERINE (C. Aurantiaca x Lc. Mimi Koehler) The most vivid and brilliant color combination in all these hybrids. S & P's are a strong



and bright golden orange. Lip is a boldly contrasting red. Plants are extra husky--free growing & branching. Flowers last 2-3 months. Spring.
1 lead \$45.00 2 leads \$65.00

C. WOLTERIANA (C. Aurantiaca x C. Schroederae) This one probably is more responsible for the re-birth of interest in novelty hybrids than any other hybrid. Has been a repeated "sell-out" everytime we've succeeded in remaking the cross. Seedlings are listed on p. 19. The plants listed below are divisions of fine selected individual plants which we have kept for studs. These are all better than average for the cross--larger, fuller flowers and brighter or unusual colors. Only a few available now:

Yellow & orange 1 lead \$30.00, 2 leads \$40.00
Peach & apricot 1 lead \$25.00, 2 leads \$35.00
Tangerine to coral 1 lead \$35.00, 2 leads \$50.00

AURANTIACA HYBRID COLLECTIONS

#1-Seedling Novelty Collection

One each of Bc. Daffodil, C. Wolteriana, C. Aurantimedia, C. Aurantiaca x (C. Marstonii x C. Mendellii), Bc. Daffodil x (Blc. Golden Myth x Lc. Rose Trask Miranda). 5 fine young seedlings in 3" pots, smaller sizes of each--a total value of \$27.45 for only \$22.98.

#2-Mature Novelty Collection

One small mature plant of each: C. Aurantiaca, C. Aurantimedia, Bc. Daffodil (1st bloom), Bc. Dawn, Blc. Pink Star, & C. Wolteriana. Six rare & showy plants of lovely art-tone colors. A total value of \$97.50 for the special collection price of only \$74.95

DIAMOND JUBILEE SALE

PAGES 13 to 16 from front

SPECIAL COLLECTIONS

PLANNED FOR YOU

— to Start With!

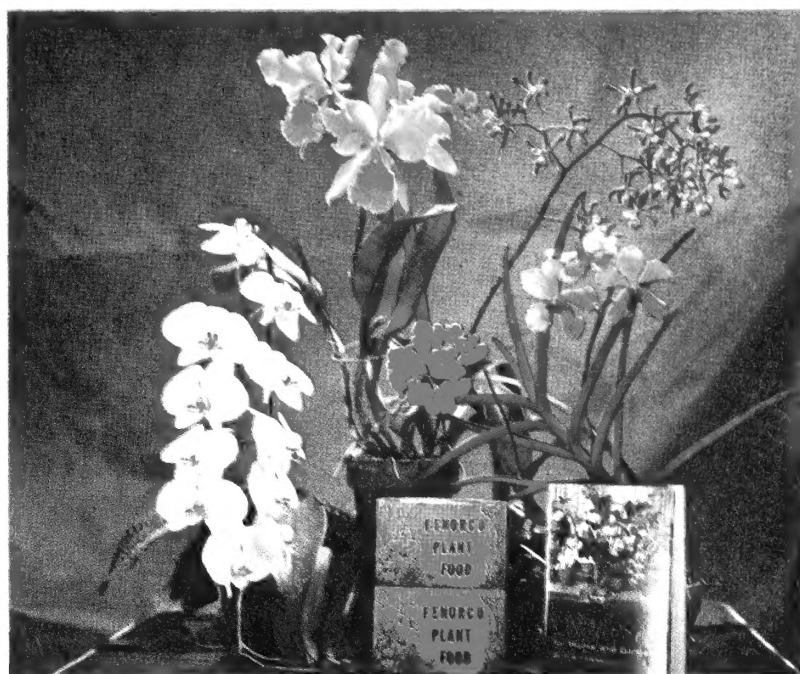
— to Add to

Your Collection!

GIVE YOU

Variety - Quality

— lots of Flowers Now!



VARIETY STARTER COLLECTION



SUPER STARTER COLLECTION



SUPER VARIETY COLLECTION



PHALAENOPSIS COLLECTION



VANDA COLLECTION

Orchids

...FOR YOU!

— Good House Plants
— EASY TO GROW!



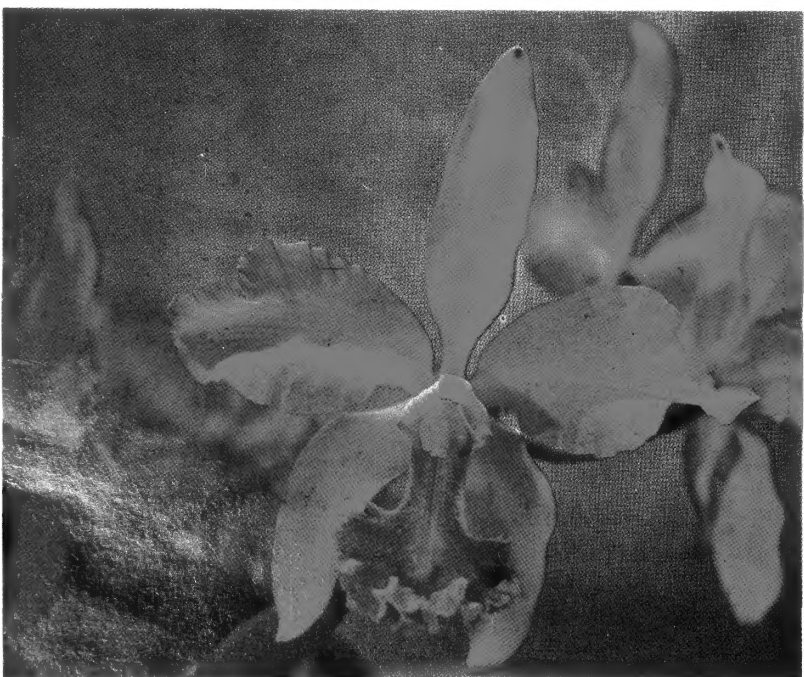
"LARGE and FANCY" COLLECTION



DENDROBIUM COLLECTION



LC JUNGLE GOLD



CATTELEYA PITTIANA



BIFOLIATE COLLECTION